

Table 2

GAAGCAGAGATACAGGANATAGGGAAGGGAAGCTGGAAGCAGANGTCACTGGAGGGAGAG
GGAGATGGACACATTTCAGGGCNTACAAAGCAAGTTCTATGTGATTTTGCTCACTNTCTCA
ATTGTGGGGGACCCCTNTNAAAATGTTGTACNCTGCCCGGGGCCGGCCGCTCTANGAAC
TAGTTGGAATCCCCCGGGGCTTGCCATGGGAATTCNGATAATCCAAGCCTTATTTCGATA
CCCGTCGACCCCTCCGAGGGGGGGGGCCCCCGGGNTCCCCAACCTTTNTGTTTCCCTTTTA
AGTGGAGGGGTAAATTGGCGCCGCTTGGGCGTTAAATCNATGGGTCCATAAGNCTGGT
TTCCCTGGTGGTGGAAAAATTTGGTTTNTATCCCGNTTCACCAAATTTCCCCCGNCAANC
AATTAACCGAAGCCCCGGNGGANCCATTAAANANGNGGTCAAAANGCCCTGG

Sequence 1538

AGGTACAGACTTGCCAATCTCTGTCCCATAGCATATGCTGAAAAAGCTCTGAATCGGGGA
TTCAGCTCCACTCAGCCACAGTCTTACAGAAATCCTGCACAGAAATCCTCCTGTAGTCAG
GAGATACATCCTTCTGTGTCTCAGGACAGGCAGGCAGATTTTCAGTCCACAGCAGGTCC
TGAAACAACCTGAATCTTGGCATAAGCCCCCTCTCAGCTGTGGTCAGAGAGCAGTTCTGC
CTACCCAGCATCCTGGAGGGAGATGGGGCTGTCCATAGCCCTGCAAACAGGCCACCTGAC
CTAGGTCCCTCATCAGTCCCTGAAACACCCCTGAAAAGTGGCTCCAGCCCCCTCTCAATAC
AGCAGGCCCGCTAACTTAAGGACCTGAAGGGAGACATGCAGGTTTGTGACACCTTAGGCC
TGAAGACCTAAGTCTTACTGTAGGCCCTGAAGCAACCCTGTAGCTTAGTTCCAGCCCCA
CTCAGCTGTGGACTAGGGCAGTACCTGCCCGGGCCGGCCGCTCGAGTCGCGCCCCACAGCT
GGAAGG

Sequence 1539

AGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGAAATTAC
ATACTTTTTCCCACCATCTTTTTGATAATCAACGTAGGGACTCCATCTACTTCCATGA
TGTTAAACAGTCTTGGCTTTTTTTCATCGTGGGAGCGTTTTTCTCAATCTTCGCCATTG
GGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAACCTGCTTCC
TGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGCAGGTCC
CCGCGCACCC

Sequence 1540

TATCCACAGAATCAGNGGGGATAACGCAAGGAANGAACATTGTGAAGCAGAAAGGCCCAN
CTANANGGCNCAGGGAACCCGTNAATAAAGGCCCGCGTTGCTTGGCCGTTTTTCCATT
AGGGCTCCCGCCCCCTGNCGAGNCATTCAACAAAANAATCGACGGCTCAAAGTTCAAG
NAAGGNTGGGCCGANAACCCCGGNCNNGGACTTATTNAAATTATACCCAGGGCGGTTT
TCCCCCTTGGGGAANGCTTCCCTNCGGTGGCCGCTCTTCCCTGTTTCCCGAACCCCTT
GCCCCGNTTTACCCCGGGAATACCCCTTGTCCCCGNCCTTTTTNTCCCNTTTCCGGGA
AAGCCGTTGGGCGNCTTTTTCTTNAATAAGCCTTCAACGGCCTTGTTNANGGTAATCN
TCCANGNTTCNNGTTGGTTNAGGNNNACGGAATCNGCCTTCCAAAANACCTGGGGGGCT
TCGNTGNTGCCACCGAAAACCC

Sequence 1541

TCCACCGCGGTGGCGGCCGAGGTAAGAAACCCAGGCCAGAGTTACTGGAGCCCTTC
CTCACAATTGGCCTTGGCTCCCTCTCCACTTGTGTGTTTTACATTGACTTGATCTTCAG
TGGAGTAACTCTGAGCAGTGGCTGTAGCTCAGCAGGTAGAAAACTCTTAACCCTTGAA
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TTGCTTTGCCAAGGAGAAAGCCTGTGAGAGTGAAAGCAAGGTGGAAGTGGGGTCCAAAGA
GAGGGAGTAACTAGATGCCATATTAATTTGTATTTCTGGAGAATATGACTGCAGTTTAT
ATATAACTTGGTTTTAAACATTTTTGTAACCTGCTTAAGAAATTTGGGTTTGGGTGGTCCG
ATTTTCATTTGGAAGAAAAGATTAGGAAGACAGTATAGTTTTGGGGACACAAGCATGGCT
ACCTACAGGAGACAGGTCNGAAAGGAAAATAAGTGATGCAGCCAGCTGAGTACCTGCCCG

Sequence 1542

GACTAATANAANGATACCAGTGCCGTTTTCCCCCNTGGAAAGCTTTCCTCGTGGCGCTCT

Table 2

CCTNTNTCCAGACCCCTTGACGCTTACCNNGATTACNCTGTCCCGCCTTTTCTCCCTTTC
GGAGAAGCGTTGGGCGNCTTTTCTCATTAGCCTCACGCCTGNTAAGGGTAATCTCAAGTN
TCNCGGATGNTAAGGTTCCGTTCCGNTTCCAAAGNNTGGGGGCNTNGTGTTGNCAACAGTA
AACCCCCCCCCGTTTTCCAAGCNCCCGNACCCGGATTGCCNGCCCCCTTTAAT

Sequence 1543

AGGTACTTTTTTTTTTTGTTTTTTTTTAAGAAAAATACCTGGAAAAGCCTTGCTTCTAA
TGTAGGAATTTTTCTTACAGTGAGATCTATGTAAGTACAATGTTTGTGGGTTTCACTT
CAGCTGCCAGGAAATTTGGTATTACATGAGCATTTCAAATAAAGCAACAGTGTATAATTT
TAAGGCCACATTAGTTTTCATTTTCACTACTTTTGACACCCTATTCTAAATTTTTGTT
TCACTTTATCTTTTGCTTTAATTTGTGTTTTATGTAAATACTTATACAATCTTATGG
AATGAGATGGGGCAGAATGGAGGAGTATATCCATGTAAGTTGATTTTATTCCACTTTCCA
ACTATATCTTCTTTCTGTCTTAAA

Sequence 1544

TGGCTTCATAGAATGAGGGAAATGTTTATCCTTCTAAAAATATTTANTANAGNGGNCTAA
GATGAGAGTGTAAGTGAGTAACTTTCTCAATCAAATATTTTGNGATATGTTTCAGGAAT
NTCATTACATGTTNGGTTCAATTTTAAAGCATTTNTTTTTATTATTTAAAACTTTNAGC
ATTGGTGACCATCCATGTGCTGCTTTTATTGCCAGCTTAACTTGTTTTATGACATCTTC
AGGAAGAAAACTCTGNTGTCTATTTAATGGAGATGAATTGNTAACTTTTACCATTTGC
AACTATACCTCTCTATGAGTCAGACTTTTATTGATCGTGTAACCTAANTGAAACCCGGA
AATGAAGGAAATGTAACANGCGACCNATGTATTCTTNGTNNGCNCAAATTGCCTTTATA
AAANAGATTGATNCTCTATAATNAGCAAATGTTGTGGATTGGAAATTT

Sequence 1545

CCGCNGTGGCGGNCGAGGTACCAAAGACCTCCAGTGATGCTTATGAACATGTAGCTGCTG
TTTGGAAGCTGGAAGCCCCATATCANATGCCTACCACAGAATCTGGAGTTGGGGCAGAGT
GCTGAATTGGTTCGGAGTTACCTGTCTGCTTGATACTTCAGATGCCTCCTTTCTCAGATG
GCATTGCTAAGCTCTGCAAAGATCTAACTGTGAGGATGAGATAATTTAATCTTGCCCGTG
GGCTCTATCCTGGCGGAGATACCATGGGACTTGAATCCTGGGCTAAATTGTAATCTTGGG
GAAAGGCAACTATACCTNGCCCCGAGTTTGTTCCTAGGAGAGCAAAGCATAANGAAGGTCT
TTCCAANTAAAGGACCATGNCAGGCACCAAGAGGGCAGTCTTGAAANGGGAAGCCAAGG
GAAAAGGGATTTTGAGAACCCCTACCAANGAATTGAAANGTTGGTAAGGAATAATTAATA
GTCCACAAGGCAAAGNAGTTNCCTGGCCCCCGGGCCGGCCCGCTTCTTAGAACTTAGN
TGGGAATCCCCCCCCGGGCTTGNCAAGGGGAAATTTCCNATNATTCAAAGGCCCTTTTAT
TCGGATTAACCCGTTTCNGAACCCCTTNCAAAGGGGGGGG

Sequence 1546

ACGCGGGAGAGTGGCTGACTTGCTGATTGAGGTCCGGCAGCTCCCGAGAAGCAGGAGAAGC
AGAGTTTTTGACAGACAGACCCACGAAGTCAAGCATGCGGAGTGCAGCCAAGCCCTGGAAC
CCAGCCATCAGAGCAGGGGGCCACGGCCAGACCGGGTGCGGCCTCTGCCTGCAGCCTCT
TCCGGCATGAAGAGTTCTAAGTCTTCAACTTCCTTGGCTTTTGAGTCCCGACTCAGCAGG
CTCAAGAGGGCCAGCAGTGAGGACACGCTCAACAAGCCAGGAAGT

Sequence 1547

ACTTTTTTTTTTTTTTAAACCATTTCAAGAGAGTCTCTGGATTTCTTGATCCTTGATT
TGTGGTTTTTCATGTTGTCTGTGAGCTCCAGCAGGGCCTCATCAGCCCTGTCCGTGGTGT
GCTCCAGCTCTGTGCTCCCCGATAGGTGGCCCTGCGCTCTATGCACATCCTTCTTAACAT
AGGAAAGATGTATGCCCTTCAAAGAAAGGCATTCAAGACAGATCAGCACCAAGTGAGGC
TCTACCCACAGATGTTAATGTGCATTAAAGAAACAGCGTTACTGAGAAATCTGAGCCATCA
TTCCAGAGTCTCTCTCCTGGGGAGAAGTTTGTCTTACTGCTGGGTTTTTTGTTGGTT
TTAATTCANAATTTGGAAGTAGAATTATTTGTAATAAACCTATCAAAGCCTAGCCTAAGG
GCTGCCATCTTCTGTCAAATTTCTAGNTNGTTTATACCAGTANAAAAAAGACANTTTT
AAAGCTCTTCAAAGCTGAATCCTCCTCAATAGTAAGGGGACTGTGTGAAAAGTTTTTTT

Table 2

TATGCTGGGCTTANCCAACCCCTTTCTTTTTTCCCCAGCTTACCAGTGGAAAAAAGC
AAAACTTTTNGCCCNGANCTTTTANNACTATTTAAAAATAGANGTTTNTNATNGTN
TTNANNTNAANTGGAGGGGTTAAAAAATTGTTCTTTTTTA

Sequence 1548

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTAGCACTTGTGAC
CAACAGCTAGTCTTGCTTTCAACAGCTAGTCTTGCTTTCCCTGATCGTAGATCCCTACTA
AAAGCTCTTGAAAGTGTGCATATGCAGGCTACCTAATGATTTAACGGAGGATCAAGATGG
TTACACTGCAGAGAAACAGGAGGGATAGGGCATATGCCCTTTGTCCAGCAAGACAGACAA
AACTAGGAACCTGAATTCTCTCTCTGGATTCTGTATCTGGAGCCAAGGCCAAGGATC
AGTTCTTCTAGAAAAGTTCCCTCCTGTGTGTGTGTGTGTAAATGTGTGTGAATGCAGTCAT
AACTTCCCTGCCAAAATTCATTGCCAAAATTTTGTGATTTGAAGCAGGCCCTTACCTGTT
AATGCAAATTTGATTCTCAAATCCTAAGAGTTTCCAAAGGTTGAGTGAAGTGAGATGAGA
CTCTTAGTTGAAGATCCAGATGCTTCACTGTTGCTATCTAGATGCTACCAAACTCCAG
CACACAAAGTATATGAAGAGAGGCTCTANGTTCATGAAATGTTAANAGTTTGAAAAATG
GGCCTTTGGGGT

Sequence 1549

AGGTACACATTTTGAGGGGTCCCACAATTGAGAGGTGAGCAAATCACATAGAAGTTGCTT
TGTAGCCCTGAATGTGTCCATCTCCCTCTCCCTCCAGTGACCTCTGCTTCCAGCTTCCCT
TCCCTATCTCCTGTATCTCTGCTTCACTTGTGCTACCTTCTCACACCACATCTTCCAGGA
TTACACTTTTATGCTACACCTGCACTGATCAGTCTTCTACTCCAGTCTTCATTTTGTCTT
CGTAAAAATGTTGAGGATGAATGCTGTTCCACTTTCCTTTCTATAGCGAGATGGCCTCC
CGCGTACCTGCCCG

Sequence 1550

AGGTACTTTTAGTGAGATGGGGTTTCACCGTGTTAGCCAGGACAGTCTCGATCTCCTGA
CCTTGATCTGCCCCGCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGT
GCCCTCTTTATTCTCAGTAATACACTCTACTCCGAGAAAAATATTGGATTTAAATTGCA
ATTGATCTGGCTAAAAATTTATCATCACTGAAATTCCTAGAATGTGAAAAAGAAGGTT
TATTTTCTGTAATGTGAGTTTCACTGTAGCCTATCAAAGCACATGGATGAAATCGGAAA
TGCCTAAAATCTGAGGTTGGCAGAAATACACAACTCAAAGGACATGCAATCACATAAA
CAGAACTACTTTATCTTGACAGCATCCAGGCTGCCTCCATACAAATGTAGCTTCATGTTG
GTGGCTAGTCCGCATTGCATTTTACAGATAGAAAGAAGAAATTCAGAAAGGGAAAAACA
TTGGCATTGTTTACAGTAACTCTTACCTCGCCTTTAAAAAGACATTGTGCATGCTT
TACATGATACAGCCAATTTCAAAGGACTTATTCTGGA

Sequence 1551

ACGCGGGGTGAAGAAGAGTATTCCTTTCCTCTGAGAAGTACACTTGAAAAATCCTGTAA
CTTAGCGTANACTACCAGTTATTGACTTCCAACATTTACTCTGCTTTCCTTTTCTAAA
ATTGATAAAGTCCAAACCTCTCTTGTTTGGATTTGAAATTACTATGTTTTTGGCCNGGC
GCGGTGGCTCACGCCTGTAATCCCAGCACTTTTGGAGGCTGAGGCGGGCAGATCATGAG
GTTTAGGGAAATCNAGTACCATCCTGGNTAACATTGGTGAAACCCCATCTNCTACTAAAA
ATACAAAAANATTTAGCCAGGCCGTGGTTGNGTTGGNGCNCNNTGTTAATTCCCCAGGC
TNCNTANCAGAANGGCTGGAGTGCCAGGGANNAANTGGGCCGTGAACCCAANNANGGCG
GGAGGCTTGGCAGATGAAGCCCGAANATTCACACTTGNTTGCACCTCCCAAGCCTGGGGG
TGNACCANGANTCCAAAGGAACTTCCCATTTCTTCAAAAGNNAANNNTTGANTANNNACA
AGANANNNNATTTGGGTTNNCCCTTGCNCCCAGGGGGCCGGGCACNGGNTTCTTAAAAAA
CNAATGATGGGAAACCCCCCCCCGGGGGCTTGNAAGGGGAANTTTTGAATTTTCCAAN
GCCTTTATTCCGAANNACCCGGTCNGNAANCNTTCGAANGGGGGG

Sequence 1552

AGGTACACATTGAAATCTGCAACATGCTGGGACTGCAGAGAGCCTGGGCTGGGAGTCGTG
AGCTCCACCCGGCTGTTTTATGACAGCTGGCAAAACACGCTAAGGCACATTGAGGACTC

Table 2

AGTGAGGCAGGTTTCCTGGGCCTCTGTTAGGCTAAGTTTGAAGTTGTTCCATCACTGCCTC
CCTCTGCCTTCTTTGCCATTTCCATCCATGATAGCACTACCCTAACTAGTGATGAGAAGC
AGTCTTTGGAGTTCTCTTCTCCTGTCCCTCATGGCTAATTTCCCTGCTCAGACTTCT
GCCTCTGGCTCTCTTTCTTCTGTGCACACTGACTTTTTTCCCTCTCCTGTGCCGAGCTG
GAGTCGAGCGGCCCGCCGGGCAGGTACACTGCCAGGCCAAAGGCGTCCNGGGCAGCGTAG
GCNGGCGACTCAGATCCCAGCCAGTNGACTTAAGCCCCCTGGTTTGCTCCTCCGAATAACT
NGGGGGTGACCTTGGTTAAATATTCACCANGCAGCCTTCCCCCGTT

Sequence 1553

CCAGGGAAGGATTAAAGAAGAATTTAACATAGGGAATAAATGCTAAAGAAAACCCCTCAAC
AATATACATGTATAGTTAGAAAGAAATACAAAATATTGGTTTTTGTGTTGANACAATTCT
TCCTCCATGGNGGTTTCATACCCATGATCTACAGTTGCCTATTGGATAGTCCAAGGTTTC
TCATCATTTATGCTAGCAAATTATGATTGCCTGGAAGTGCATTTTAAATCTTTTTATTT
GAGATGTATAGAATCTTGCTCAAATGGTATTTTCCAACTGTTGAAAAATAGGGCATTTC
TTAANAANAACACTTTTACTTTTTTTTGAANAANAAGTTTCTCTGCAGATTGGTCT
ATAGGNGCGGGTCTTCTGGAATTTGTTTTTCTGTAGAGAGTGAACATATGTTTGGTAT
GTGTGTGTCTGAGTGTGTTGGGGGTGTCTCTGGGTTTCTGGGGGTGNGTGGGGTCTGCT
GNGGNGTTTGGGNTTGGNGNCNGGGANNANTGGGGAGCCGGGGGNGAANTGGGGCCTNG
GGGNCCTGGGGNCTGGGG

Sequence 1554

CCGCGGTGGCGGCCGAGGTACGCGGGGACCTGCTGTGCTCTTGCTTGACAGTGTCTCTGG
AGCTGGACCTGGCCCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTGCTTCC
TCTGCTGCCTGAGATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCCACGATG
GAAAAAAGCCAGAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTA
TCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTG
GCAACTTACCCAAAGT

Sequence 1555

AGGTACTTTNTTTTTTTTTTTTTTTTTTTTTTNGATGGAGTCTCACTCTGTTACCCAG
ACTGGAGTGCAGTGGCATGATCTTGGCTCACTGCAACCTCCACCTCCCGGGTCCAAGTGA
TTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCATGCACCACCATGCCAGCT
AATTTTATATATATTTTTTATAGTAGAGATAAGGTTTACCATGTGCGCCAGACCGGTCTTGA
ACTCCTGACCTCAGGTGATCCACCCGCCCTTGGCTTCCCAAAGTGTGGAATTACTGTGCC
TGGCCTAGTCATTAATATTTTGATTAACGCCTACCCCTGTGATCAACGACAACTTATTCA
GGAAGAAGGGTTCTTTCTACTCTAGTATGCTTCCAGTTATTTACTGNGTATCTAGCTAGG
TTGNGAAAAGAAAAGAATNTGAAGCNCGNANTTTATGAAACCTAACTGGGCTATCATCTA
CTTTACCAAATTTCTTTTAAAAAAGCAACCNTCAAACCCCNANAAGAATTTGNAGCCT
TTTAACTTTAAAGGCCCTTACATTAAGTTGGGATTTTTTATTATATGGAGAANAACNT
TNTTTTATGACCTGTGCNCTTTAAAGAAATGATGAGGTTTTTAAACNCCTAAAGNNGTT
GGAATTAACNAGTTTTNTAATAAATCCCCAAAAAATAACCCAAAAA

Sequence 1556

TGCTCTTTTTTTTTNTNTGTCNCTNCCACTCTGNAACNNGAGAGCCTGNNTAACCN
CCNGTTTCCTCTCCTGNNTTGATACACACCTGCNTNGNNGANNNGNATGGNNNTNGAA
NNCTNATNNNGAGNCNTNGGGGTNNCANNGGNAGNCTCGGNGGCTAACNTCCATAAGT
TGATAGGGCAGAACCATTCACAATGGGCACGCTTTGCCGGGCANCACTGTACTGTGCCA
TGGGGCCCGGGACCGTTTTTAAAGGGATTGAGGACAATTTCCCTTGCCANGCNCANGAAT
TTCTTTTCAATTAGGGCCCAANAAANGCNTTNCNTTTCCCAAGGGAAAAAACCAGCC
CCTTTCTTNCAAAATNGTTGAATAATGGGGAAAGNCCGGGCCCAACCAAGGGAATTC
CTAACCCCAAGGGGGGGGTTCCCTTCCCTCAACNTTCAATNC

Sequence 1557

AGGTACATGTTATTAGCTTTAGCAGGTAGTTCTAATAAAAGAGTTCAAGTATGCTNTTTAA

Table 2

ATTTTTTTTAGAATTTTCTGTGTTTATTCAAATTTATTGAACTTAATTATTTAATATAA
GAGAACCAAGGAACCACTGAACTTTGAGAACACAACCGAAATGCTAACTTTAGTGTTTTA
TTTGAAGTGTGACTAAAATTTCTATGGCAATATATGAATATTTTGAGAGGTTAGCCCAA
ATTGTAAGAAATTAATGGTAAGCCTGGCCATGGTTTTGTACGAAAAAAAAAATTTTGTA
CTTACACATAATTTATATTTTAGCAATTTTAAAAACNTTTACNCTANATGTCTGTTTAC
TTTGCTGGAAGTGGCCANGTATTTTACCCATGGTANTATTCAATCNTTTTAAAAATCTT
CTTAAACAGGTTCTTNCCCATTTTAAAGAAGGTAAACCCAGCCAGGTCAGTGGCTT
CACATCTGTAATCCCAGCTTACCTTCAAGGGAGGCCTGAGGGCAGAAAGAATTTGCTTGG
AGCCCANGANGCCGGAGGGTTACAGTTGAGCCANAGGATNCGNGCCCATTTGGCAACTTCA
ANCCCTTGGGGCCAACCAAGGAGCCGAAACCTTCTTTTTTCAAAAAAAAAAANAANCN
GNGAAGAACCAACCAANCCAAAATNNCCGGGAATTCTTTTANNATTNTTAAATATNGG
AAAAAAAAACCTTCCANTTTANTTACCGANGGAGGACCTNNTTTAAAAAAATTTTTTN

Sequence 1558

AGGTACACCTACACTCCAGTCTGGATGACAGAGCCGGGCCCTGTCTCAACAGCAACAATA
ACAAAATGTCAATGTAATATTTTGACCCACTCTCACGTGTCCAAAAGACTTTTAAATTTT
TGTAAGGATATAATAATGTTATTCGGGCTGCAGAAAGGTAAACCAAATTTCTACGGATAC
ATAGAATTTTGGGTATTGATTTTATTAATACCTGAGAGTTTTTAAAAACATACCTTTATG
CTTTTGAGAATCCTAATTATTATCGTTATTATTTGCCCTTGAACTTTTGTATTTATTTGA
TCTTAGTTATCTAAGACCATGCTAGGTCTATGGTATATGGATGCTGCACTCATATTGGTA
GAATATAATATGAGAGACAGTCTATAGACAAACATATTAATATATGATGACAATCTATGA
TATATACCATGAAGGAAGCTAACAAGCATAATGTTATGGATTAATTATGAAGGAA

Sequence 1559

AGCTTGGTGTACTTGATGATGTAGGTGAGCAGGCCCATGCCGACAAACGCGGCCACCAGG
ATGAACACCTTGGTGTAGGTCAACTGCACGAAGCCGGTGCCGATGTCGACTCTCCAGGCG
CCGGCCAGCAGCGTCGGGATGCCTTGTTGCTTGGCGCCCTGGGCGATCTGCGCGTAGTTC
TGCAGGATCAGTGAGATACCGATGGCGCTGATCAGCGGTGCCAGTCGGGTGGAGTTGCGC
AGCGGTTTGTAGGCGACACGCTCGATGACCCAGCCATAAACGCCAGTGACGACGACGGTG
AAGATCAGGGTGCCAAGGATGAGCAGCGGGAAGGATTGATGCCGAAGTAAGCCAGCAGT
GCCAGACTGATCGCCGCGAGGTAAGCGGAAATCATATAAACCTCGCCGTGGGCGAAGTTG
ATCATGCCAATGATGCCATAGACCATTGTGTAGCCGATGGCGATCAAGCCATAGACCGAC
CCGAGGGTCAGCCCATTGACCAGTTTGCTTGACAGGAAAATACCATCCATAACGCAATCTT
CACGCAGTGAGGAGCCTGCACACCTTGTTGGGTGTGCGGATCTTTNTA

Sequence 1560

GAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACTCTCACCTGTGGGCATT
TGTCAAAATCAGTATTACTGCTGGGGGGGATGAGGGCTGAAAACCTCTATTTCACCATCT
TTCTGACATCATTTGCCACAGTGTGCTTTTTTTGTTCTGGTATTTCTTATACCTTGAG
TCTCTTCCCTATTTTAGTCAACCCAGCAGTCTGTATTCATTCCTCTTAATCAGGATTGA
GCTTTGCACCTGCTCCTTTTGGCTGGGGTTGAGTCTACTTCAGAGGCTAGGGATATAGAG
GGTCCAAATACAATTTAAATAAGAAAATGCTACGAATAAAAGTGTGAGAAGAATAAGAA
TTCTAGAAAAAAGAAAAAGAAAATGGAAAGAAAAGACTTTTAAATGTTAAGGCATCTG
GCAGAGAGACCAATGGGAACAAAAACCAATTCTCTCTCTGACAAGTCTTGCACCC
TGGCCTATGGCTGCTTCAACCCACAAAAACGCCTTGTATATCAGCACTCAGGTATCAGT
AGGCTGGCATGCAGTTGCAGTTTTACC

Sequence 1561

GGTGGCGGCCGAGGTACTGAAACATGTTGGAGGGTTAGTTTTGTTAATTTGAAAATTCT
GGGCTGGACATGGTGGCTCACGCTTATAGTCAGCTGTAGCACTTTGGGAAGCTGAGGTGG
GAGAACTGCTTGAGTCCAGGAGTTCAAGACCAGCCTGGGCAACAGAGTGAGACCTATCT
CTACAAAAGTTTAAAAATTAGCCAGGCTTGGTGGTGCATGCCGTGAGTCCCAGCTACTC
AGGAGGGCGAGGCAGAAGAATTGCTTGAACCGGGGAGGTCAAGGCTGCAGTGAGCCACGT

Table 2

TCATGCCACTGTACTCCAGTCTGGGTGACAGGAATAAGACCCCCTGTCCCNAAANNATAA
ANAATANTAAAAAAGTACCTGCCCCGGGCGGNTTCTAAGAACTAGGGGATCCCC
CCGGGGCCTGCAAGGAATTCNATATTNAANCTTAATCGAATACCCGNTNCGGACCCCTC
CGAAGGGGGGGGGCCCCNGGGTTACCCCAANCCTTTTTTTGT

Sequence 1562

GCTCCACGCGGTGGCGGCCGAGGTACTTAATTTTTTTTTTTTTTTTTTTAGTAGAGACA
GGGTTTACCATGTTGGTCAGGCTGGTCTCGAACTCCTGACCTCGTGATCTGCCCCGCT
TGGGCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACTGCGCCAGCCACAGTCAGCCC
AGATTCAAGGGGTGCGTCAATAGACTCTATCTCTTCGTGGAAGGAGCTGCAAACTATTGC
GATCACGTTTGCACTCTACCACAAATGTATTGCTATATGTTAGCGCTATTCTAATAGCTT
TATATGTGTGAACCTCACTTAATTGTTACAGCAACCCAGAGAGGTGAGTTACTATTTCTAA
TTATTTCTCAGATGAGGAAGCAGCTACTGAGACGTTGAGTAACCTGCCCAAGGTTATATA
GGTAGTGGCAGAGCTGAATTTGAGTCCACCGCAGTCTGGTTCAGAGGCTATACTCCCAA
ATAATAAGCTATACCGCCTCAAAGCAAGGCGGAAGAACTTATCACTTGTTTGGAGCAA
ACTGAATAAGGCTTCAGACTTGTAACATTAAAGACAATTTGGCTCATTTGGCAAACTTG
GATATATTGGATGCATTGTTTTATATTAAAGTAAAAATTTTGT

Sequence 1563

GACGAGCATCACCAAAAAATTCCGACGCTCAAAGTNACGANGGTTGGGCGNAAAACCCCC
GAACANGGGNACTATTAANAGGATTACCCAANGCCGGTTTTTCCCCCCTGGGAAAGCT
CCCCNTACGGNGCCGCTTCTCCCTTGTTCCNGACCCCTTGCC

Sequence 1564

CGGNAATTACNGTTATCCACACCAATCAAGNNGGATAACCGCAAGGGAAAANGAACATG
GTGAGCAAAAANGGCCANNCAAAAAAGGCCANGGGAAACCCGTTAAGAAAAGGCCCCG
CCNGTTTGCCNTGGGCAGTTNTCTTCCATTAAAGGGCTTCCCGGCNCCCCCNCTTGAAC
NGAAGTCCATTNCACAAANANAAATTCGACCGNCTTCCAAAGNTACAAANANNGTAGGG
CCGAAAAACCCCCGAACCAGGGG

Sequence 1565

GGCGGCCGCCCGGCGAGGTACACATTTTGAGGGGTCCACAATTGAGAGGTGAGCAAATC
ACATAGAACCTTGCTTTGTAGCCCTGAATGTGTCCATCTCCCTCTCCCTCCAGTGACCTCT
GCTTCCAGCTTCCCTTCCCTATCTCCTGTATCTCTACTTCACTTGCTGCTACCTTCTCACA
CCACATCTTCCAGGATTACACTTTTATGCTACACCTGCACTGATCAATCTTCTACTCCAG
TCTTCATTTTGCTTCGTAAAAATGTTGAGGATGAATGCTGTTCCACTTTCCTTTCCTAT
AGCGAGATGGCCTGTCCCCGCGTACCT

Sequence 1566

NNTGTGGGCTTGTGACCTTTTTCAAATCNTTTTAGTGTCATTTTGGTGAAGTTTAAATG
TGTATTCACTCTGCCATTACTGGGAATCTCAGAGTTCTCATTTTAATATTTTCTTATTT
TTTTAAAGCCTTTGAAATCAGGCATATTTACATCCTGCTTCTTACATTATTTTAGCTG
CAAGAAATGAGCCACTCTGNATAATCTCTTNGTTCAGGAAGGGGACATTTTTCCCTGA
CAATCAATCTTCCAGAAAACTCTTCATTTCAGNTTTGAAAGGCACCGGAAATGGCCAA
CCTAAAGCACCAACTGTTCCGCTTCCCGGAGTTTGACTCATTGGCCCCACCTTGTGGCCC
TGTGGGGAAGGGGCGGCGAGGCTGAAGAAACCGCTGACAATTTAAATTNGCTTTTT

Sequence 1567

GGCATGATGGCTCATGCCTGTAATCCAGCACTTCGAGAGGCCAGGCAGGTGGATTGCT
TGGGCCAGGAGTTCAAGACCAGCCTGGGCATCATGAAGAAACCTGTCTCTACTAAAAA
TACAAAAATTAGCCAGGCATGGTAGCTCACACCTGTAAGTCCCAGCTACTGGGAGGCAG
AGGCACGAGAATCACTTGAACCAGGAAGGCAGAGGGTGTGGTTGAGCCAAGATCATGCCA
CTTGCACTCCAGCATTCCAGCCTGGGCCGAACAGGAGCCAAGACTCAGTCTCAAAAAA
AAAAAANTAAAGTTCCCTTCGGCCCGCTTCTAGAACTAGTGGGATCCCCGGGCTTGCA
GGGAATTCGATATCAAGCCTTATCGGATACCCGTCGACCTTNGNAGGGGGGGGGCCCC

Table 2

CGGGTACCCAGCTTTTNGTTTCCCTTTTAGTGAGGGGTAAATTTGGCGCCGCTTTG
GCNGTAAATCATTTGGGTCAATAGCNTGTTTCTGTGTNGAAAATTGGTTTATTTCCCGCTC
ACAATTTNCACACAAACCATTACGGANGCCCGGGAGCATAAAAGNNGTAAAAAGCCTGGG
GTGCCTAAATGAAGNNGANGCTAACCTCACATTTAATTTGCGGTTTGCGCTCACTGGCCC
CGGCTTTTCCAAATCNGGGAACCTTGTGNGNNGCCCAAGCTTGCAATTAATGAAAT
TCGGGCCCAACCC

Sequence 1568

NNAATCAGGGGGATAACCGCANGGAAAAGAACATGTGAGCATAAAGGCCAAGCCAAAAAG
GCCAGGNAACCCGTTAAAAAGGCCCGCGTTTGCNTGGCCNTTTTTCCATTAGGGCTCC
CGCCCCCCTGAACGAAGCATTCAACAAAAAATTCGAACGCTCAAAGGTNANGTAAGGG
TGGGCCGAAAAACCCCGGAACAGGGGAACNATTANAAAGGAATTACCCCAAGGGCCGG
TTTTTTCNCCCCCTTGGNAAAGNCTTCNCCCTTCCGTTNGCCGCTTTTCCCTGGTT
TCCCGG

Sequence 1569

CGGTTTATCCACAGAATTCAGTGGGGATAACGCANGAAAAGAACATGTGAGCCAAAAAGG
CCANNCAAAAATNGCNCAGNGAACCGNTAAAAAAGGCCNGCGTTTGTCTGGGCCGTTTTT
TTTTCCATAAGGGCTCCCGGCCCCCCCTTGNACCGNAGCCATTCAACCAAAAAAATTT
CGGACCGCCTTCAAAAGTTCANGAAGGGTGGGCCGGAAAAACCCCTNACCAGGGGAACC
TANTAAAAAGGATTACCCAGGGGNGCGTTTTTCCCCCCTTGGGAAAAGGCCNTCCCTT
CCGTTNGNCGCCTTCTTCCNTTGNTTTTCCGGAACCCCTTGGCCCGNTTTTACCCGGG
NATTANCCCTNGTTCGCCGCCNTTTTTTCNTTCCCT

Sequence 1570

GCCCGGGCAGGTACAGACAATGTGAAGTTAGGACTTAAGTAAAGGTAGTATTTATTTACT
AAGAATAAACTTTCTTTAAGAAGTATATAGAAAGTAAATAAATATTTGTTGCTTTATA
TTCAGCCATACTTTTCTACTCACCTGGGCTGCAAGGCAAACAATTTTATTATTATT
ATTATTACTTTATAGAGACGGGGTCTCCTTATGTTGTCCAGGCTGTTCTCGAACTCCTGG
GCTCAGGGGATCTTCTGTCTCAGCCTCCCAAAGTACCT

Sequence 1571

NGCCGACTTCAGGGCCAGTACCTTTTCGGCGAGGTCCAGCAAGTGGTCCGCGCTGAACAG
CTCGCGAACGGGTAACTCCACCCCCAACTGCTCGCGCACCCGCACCAACCACTGAGTAGC
CAGCAGCGAGTGACCGCCAGCTCGAAGAAGTTGTCATGCAGGCCGACGCGCTCGACTTT
CAGCACTTCTGCCAGATGCCGGCAAGTTGGCTTTGCAAGTGGCCGTCGCCGGGGCCACGT
ANTCCGCTGTGTTGCCTGGGCCGGGGGTCTTGCCGCGAGGCCAGGGCCTTGCGGGTCCGA
GTTTTGCCCGTTTGGGGGGGTCAAGGGGGGCCAACCCGGGGGGTAGTAAGTACCCAANAAG
GGTCCGGGTTTGCAATATTAAGTCCCGGGCAAGGCCTGGGCCCTTTGAANTTTTGGGGCC
GCCGAAACCTCTGCCCAANGCCGCCGCTTTTCTTGGGGGTTGGTTCCGAAGGGTTC
NGGGCGCCCCCNGGCNNAANCCGTTTNGGGANTCCGGGTNGGGG

Sequence 1572

AGCTCCACCGCGGTGGCGGCCGACTGCACCACGGATGGGTGGGCGTTGAGCGCCGTTTCC
ACTTCCAGCGGATACACATTGAAGCCGGAGCGGATGATCAGTTCTTGGTGCGACCCACG
ATGAACAACGCGCCGTCCGGCTCCTGGCGCGCCATGTCGCCCGTATTGAGCCAGCCGCCG
TTGCGCATGGTGGCCGCCGTCTATGGCCGGTTCGCGGTAGTAGCCGGCCATGATGTTTGGT
CCGCGTATCCATAATTCTCCCGGCTCGCCAGGCGCGACATCCAGGCCGGCCACGTCCACC
ACGCGCACTTCCACGCCCAGGATCGGCATGCCACCGAATCGTCGCGGCGCGGGCGCATCC
AGGCGCGTCTGGCTGATGGTGGGAGCACTTCCGNCATGCCGTAGCCATTGTGCAGCGCG
GTGCCAGCAGCTTTTCCACGTNGCGCTTGAGCGACGGCGCCAGCGGGAGCCGCCCGCA
TACGCAAAGCGCAGCCCGTGTGGGTA

Sequence 1573

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGGTGGCGCAATCTTGG

Table 2

CTCACTACAACCTCCACCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCTGCCTGAGTAG
CTGAGATTACAGGCGCCCGCCACTACGCCCAGCAAATTTTTGTATTTTAGTAGAAACG
GGGTTTCACCATGTTGGCTAGGCTGGTCTTGAACCCCTGAACTCGTGGTTTGCCACATT
GGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGACATTGCACCTGGCCGGTATTTCTGCT
TTTTAAAATTATTTATGAATTTGGTTGTCTCATTCCCATGCAAGCTTTTCTACTTTTAC
TTGGGAAAATTATTTAACTTCTGTGTAACCTGAACTTATTCATATATAAAATGGGGCACTA
ATAATACCCACTTCAGAGTGTTGAGTATTATATGAGGTAATAACATGTAACGGACTTAGT
TAATGGTAAGCGCTATATATGTGGTAGCTATGGTGATTATGATTATCTACAAATAATATT
GTTCTATAAGTGTTCCTTAGTCTTTTTGGAAAGAAGGGCTTTTCTATTATTGGAAAT
TAAAAGTGGAACCG

Sequence 1574

AGGTACGCGGGGACCTCACCTGCTGTGCTCTTGCTTGACAGTGTCTTGAGCTGGACCT
GGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTGCTTCTCTGCTGCCT
GAAATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGC
CAGAACTGTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAAGAAT
GGTGGGAAAAAGTCTGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTTACC
CAAAGTCAGGTACCTGCCCCG

Sequence 1575

CTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGCTGC
TTCTCTGCTGCCTGAAATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCAC
GATGGAAAAAAGCCACTAACTGTNTAACATCATGGAAGTNGATGGAGTNCCTACGTTGA
TATTATCAAAAGAATGGTGGGAAAAAGTCTGTNNTTCCANGCCAAGCCTGATGATCTTA
TTCTGGCAACTTACCCAAAGTNAGGTACCTGCCCCG

Sequence 1576

ATGATATACTTCTGGTGAAATTAATAATTAAGATTAAATAAGATTTAGAGTGGTTTCTACT
TGTGGGTCATGTTTCTGTTTATGATGCAAACTGTAAAGGATGAAGATAAACTCTAGTTT
GAGATGGGAGATTATGTCACTATTTTTGCCTGAATCCCTTCGAAGAACCTCTTCTTCATC
TTTTGGTGATAAAGAGAGTATCCAACTGAAGGGAACCTCTAGTGTCTTTTGATACTTTA
TTTACTCTTGTTGGATTGAAAGGCAACGTTGGAGACTTTTTGTGTTATTACAACAGCG
TAAACTTATGATATGAAAAACAAACATCAATATTATATTAAATTCAGTAGAAC
AAAATTTGATTAGGTCAAAATTGATTCACCTTATAATTTAAATCATTAAANAATTT
ACCTTTAAAA

Sequence 1577

GTGGAACAGCATTATCCTCAACATTTTTACGAAGACAAAATGAAGACTGGAGTAGAAGA
CTGATCAGTGCAGGTGTAGCATAAAAGTGTAACTCTGGAAGATGTGGTGTGAGAAGGTAG
CACAAGTGAAGCAGAGATACAGGAGATAGGGAAGGGAAGCTGGAAGCAGAGGTCACTGGA
GGGAGAGGGAGATGGACACATTACGGGCTACAAAGCAAGTTCTATGTGATTGCTCACCT
CTCAATTGTGGGACCCCTCAAATGTGTACCT

Sequence 1578

ACGCCGCTGCGCAACCTGTTCTGAAACACGGGCCACGGCACCCCTGGGCTGGACCATGTCC
TGCGGTTGCGCGCAATTGCTGGCCGACCTGATGTCGTCGAAACAGCCGGCGATTCTGGCC
GACGACCTGTCCGTACGCCGCTACAGCGGCGCGCAGCGCGGCGGCAAACTGCAACACGCG
GTGGCCTGAGATGGCGGCCAGCATGCCTGCAAAGGAACGTAGCGGCGCCATCCTGACGGT
AGACCTGGACGCCGTGCGCGCCAACCTACCGCTTGCTGCGCGACAAGGCGCACCCGGCCGC
CTGCT

Sequence 1579

GCGCCAAGCTGCAGTCCATCATCGACGTGGTCAACAAGCCTGGGCGCGTCGCCCGACGAC
ATCATGGCAATTTTGAAGCCCTCGACCAGGCTGGAGCCATCGAAGGCGAACTGGTGGTA
ATTTGATGCTTAATATCAACGACAGCAGCAGCGCCCTGCCCTCGGCGCTCGATGACAAGA

Table 2

CCCCGCGCGGCCACGCCGCGCCGATCCCCGCTACGCGGCCAAGGCCACCGA

Sequence 1580

CCTAAACTAGATAATTTGAGAACAGGGAAGAAAGATTCCATTTGATTNCTGAAGGTTAC
CCCCATACCTATTATAACAGAATAAAATAAAATAATTCGAAACTGCACAACCTCTAACTT
ATCAAATCCTATATATGCCTCATTTTCTCAAATGACTCCTAATTTGTGNAAAGAAAAAGG
CAAAAAGAGAAAGGACAGAAGTATGTCAAGGTGGGCTAAAGCTATGAATACCCCTTTTATG
TAACTAAGAAAAAATAGATACACACGCATTTTAAAAGGGAACTTTTGAAACCTTG
AGCCGCAAAGAGGAAAAATTCCTGGCTAAATTGCACCACTCAAAGACAAGTAGACTTACG
GTCATAAATTTCTTCTCCAACCCATTTCTTTCAGGGATTCTTACAGATCCATAGCATTTT
GCAAGCTGACATAGGACCCCTTCAAACA

Sequence 1581

CCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGA
AATTACATACTTTTTCCCACCATTTCTTTGATAATCAACGTAGGGACTCCATCTACTT
CCATGATGTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTCTTCTCAATCTTCG
CCATTGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAAC
GCTTCCTGGAAACCCAGAGCCGGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGC
AGTCCCCCGGTACCTCGGC

Sequence 1582

CCGCGTCCGGATGGATAAAGAAAAGGAAGAGTTGGGGTTAGTTGAGTCAGAGTACAGTC
ATCTTTGTATGTCCTTAGTCTGTTGCTTAAGATTTTCAATTTGTGGTTTGCAAACAACC
TTTTAAAAGTCAATTTTTGATTAATTTAGTCTTTTAGAAGCTTCTGCATACCAATAAAA
GAATATGTGCCACTGTTTTTGAGGGTTTGATCCCCCTATTTAATNTGTNTGAAGATA
AAAAATNTTATCCAAATTAAGTCTTNTCCATTGCANCCATCTGAATTTAAGTTTTCTTT
AATGANTTTAACCCTTTTTTTAAAATGCACACACCTGGGCCTATAATTTGTACACATA
AAATTAGCTGAAGTCCAGANGTGTGGATTCCAGACTCTTGAGTTGAAATGATCCCAT
TATTAATAAAGGTACCTGATCAGGGCAATCAGGCAGGAAAAAAAAA

Sequence 1583

GGAGTCGACCCCGCTCCGGGCAAATTACTGAAGCAGTTATGGTTCATAGTAGCAATTGT
ATATGTTACCTAGGAGATGGTGTCAATGGCCGGGGGCCCTCATCGCCACGTAAGGGTGTCT
TGCCAGGTGACTTGCAAGGGTGACTGCCAGGTGAAGCCAAGGCATTCACTGAACGGAGG
CAGAAGCAGAAACAGTCCCAGGCAATTTCTTGAAAACTGGCCATTCTTACTGCGGGACA
TAGCACCTTACTGTTGGGTCCAAAACCCCATGTGTCTGCCAAAAAAGGCAGCCAGCAC
AGATGTGTTCAAGGGCCAGAGACACCATTTGCCCTACTGAATGACTTGAGCAATTTGGTGCA
TCTCACCGAGCCTTCACCTTCTCTGTTAAATGGAACATCTCCTCCCTCCTTTGCAAGATT
GTCATTAGGATTTGTGAGGTATTGGCAATAACGGGCCCTCCCATCCTTCCCATTGCTGTT
GTTATTACTGTATTCATAGCTTTGTGTGCTTCATAGGTACCCTCTAGGGTCCCTACGTA
CAACATACAACAGCTTCGCAATAGCCAGTGTTGGAAGCTCCAANAACGAAGGTCCTGTGG
GCTATGTGGAGAGTAAGCAGCANAGCAGGACTGCCACTCAAAGTAGTTTACCC

Sequence 1584

AATAAGATTCAATGGCACCTAGTTAATTTCAATTTACTCAATACTTTTCAGAAATTGAAG
AAGCTCTTTTACCANCTACTAAACAAAAGCAATTTATTCAACTAGGTTTTCTTTCAT
GAGTTGNTCTGTATGTAACAAGAAAGCAAGAAAATAAATATTTTAAATGTCACACTTCC
CTGCAAAAATAATCACATAATAATAATAATAATGAATAAGAGTTTATAGGCTAGGT
ATAGTGCTCACACCTGTGGATCCTAGCATTTTGAGAGGCTAAGGCGGGTGGATCACTTG
AGGTCAGGAGCTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTGTACAAATACAA
AATATTACTCTAAAAAAGAGTGCNNCCGTTANACTANTCTANANAAAAANCNTCCC
NNACNNNNCCNGAACCTGAAANATAAANGAATGCCNTGNAGGGGNAAGTGGNNAATN
GCCCCTTATANNNGNTCAAATAANNNGCAATNGCNTCACNANTTTCCCAATAAACANN
TTTTTNCCTGCNTNCTANNNGGGGGTTGTCCAAACCANATAAANTGTTCNTACCAAGGG

Table 2

GGGGATCCCNCGGNTNCCNNACTCCAAAAAATTTCTTTTCC

Sequence 1585

CCCGCGTCCGGAAATTTTGAAGAATATTAGAAAATATCTGAAACTGAATGAAAATAAAAC
ACAACATATCAAAATTAGTGAAATAGAAATAAAGTAGTACTTAGTGGTAAGTTTATAATT
AATTTACTTACGTTAGAATTAATTACTTTTATTCGGAAAGAATAAAGGTCTCAAGTCAAC
ACTTTAAGCTTTTGCTTTAAGAAATCTAAAAA

Sequence 1586

CCCGCGTCCGCTTTCTTATTTGGAAAGAAAACAACACTCACCACGGCATTCACAATGCTG
GGGACCTTATGAATGGGAATGGAGAGGCTGCACTAATGTAAGTGGGGTCAACATCCCTGC
TGGAGGGCAGATGCAAGTGGGGTCAACATCCCTGCTGGAGGGCANATGCAATTTTGGCAA
ACTAATGACTTTTGAAGCCATTTTCTAGACTGCATTTTCTCTTTNTTAGAATGCT
TTTCTCAAGGGGAAAAAGAAAGCAGGAGGTGTAAATGGTATCTTGGCCGTTCTAAGAGCC
CGTCTGGGAGACTCTCTGCTGACCACAGCACTGTCTCTCCCCAGGGCCAGTCCCACAGT
GTCAGTGAGTCCAGANTCGGGACTCCAACAAGCCCTCCGCATTCCAGCATGACTGTGGTA
AAAACAAAAAAATCTATTTTATTCTAGTCCATCACATTTTCTATATTTGCTAAAGAAAT
CTCGATCACTCCATAAATGATCGGTTAAAAATTAATAATAGGCTGGGTACAGCAGCTTA
TGCCCTGTAAATCCCAATGCTTTGGGACACTGAGGCTGGAAGATCACTTGAGGCCAGGAGT
TCCGAGACCAGCCTGGGCAACATAGAAAGACCCCATCTNTTCCAAAAATAAAAAATAATT
AGCTGGGGGAGCCTAAGTNCCAGCTACTTTGGGAAAGCTGAGCCTGGANGAATGCTTTG
ACCTGAGGAGTGANAGGCTACANTGAGCTTTGATTGGCCCNCTTGCACTTNCACCTTG
GGCCAACANANTGAAACCCTTGTCGGTAAAAATTCAANTCNAATCAAATANTTTTAA
AAAAA

Sequence 1587

GTCCGTGCACCCCAATGGGATCTGTGGGACATGAGATGCCGGCTGCATGTGAGCATCTT
GGTAACCAATAATAGGAAAGATGTAGGAGCAGGCAATCCTGGGGCAAAGCTGACGCC
AACGTACCTATTCATCTTAGAATTGAGACTCTGATCTGTCTTTCCAAGGCCAGATCTAC
AGAGAACTTTCTGTCTTGGGCAGAATAGCTGGCTGAGACATCATAGAGAGAGACTGAGG
AAATATCCAGGAGCCTGTTGACACAGAGGCCCTGATAACTAAAGAGAAGTCCAGCTGG
GCGTGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCGGATCACTT
GAGGTCAGGAGTTNGAGACCAGCCNGGCCAACATGGCGAAACCCTGTCTNTACTAAAAA

Sequence 1588

TAGGGAGTCGACCCCGCGCNCCGATCCAATGGTCCTTTTCTTCCAAATGAATGTAGAAA
ATTGCTTATTATCCTGATATTTGCACCACTCATCCCCATGCCACTTTTNCACATATNAA
TTTATTTCACTGCCTGATCTTTGGATATGAAATTATGAGTTCCACAAAGTCAATTTTAT
AGTGCCAATCAAACAGCATGGTGATATCTTTTTCTTTTTTTTCCCCCACAAGGCTGT
TGNTCAGTGTGANATGACATCATTTCTTATTTCTGCCATGCTGTGGCTTTTTTGTTCT
GCTTTTAACTACNCCTGTAGTACAGTTAATATGTTTTTATTGGTATTGATTTNTNAA
NNNATTANTGNTCTCTATTTGGGACCCAAGTCATAAGAACCAATTNGAGGACATAATAAA
AACACTTAATGCTTGTAGTCTGTANAGATCTTACCATTTCACAGCNCACACATTATTT
CATAATAAATTGCCACTGGTGGGACATGGGACTGACTTATTGAATAGAGTTTGAAATAC
CACCTTTGTATGAAGCCANACAATATTTGATTTATTTATCTAANAAATCTATGCNTGGG
GTATTAAGTTAAAAATAGTGGGGTTAAATACAATTAATAAAGCCTTANNAAATGGTA
CCCTAAACTCTTCTNCGGGTTAAATGGGAATAAGGGAAATGTNTTGGGGAATGGTGG
AAAAAAACTTTTTNGNAA

Sequence 1589

NAGAGAGCCTTGTCTCTCTGGGGCTTGAGGCAGGGCTGGGGCAAAGTGGCTATTGGA
CAGGCTGGCATGAGACAATGTCTTCTTCTCAGCTCTACTTTACTCACTTCTGTGGAGAC
CTGCCTGCGTTCACTCTCATCCACATAGAACC GGGAATCTTCTGGCTCAAGTCACTAA

Table 2

ACAGACACATCAGGGAGGCAACAGCTTGAAATTGAAAGCAGAAAAAAGTGTGCGTGATACA
CAAACATGTACAAGCATGAATGTGTGTGCGCACATACACGCATGCACACCTGCACATGCA
CACACCTGCACGTGCATGCATGCACACTTGGCCACCAGTTCAGGACTGCAAGGACAGGCA
TCTCTGCCAGGGGGCTAGCAAACAGCAACCCACAGCCTAGAATCCGCTTTTGCTTTCT
TGACTTTTCCTGCCCTGGTCTGAAAGAACCAATGACAGAACTGGCTCAGGGACCGAGCAT
GGGGTGAAGCAGAAGATCTGAGTAACCCATATCCTGGCCCACCAGCCCCAGAATTATTGA
GCATTIGATTGTTTAAAAA

Sequence 1590

CCCGCGTCCGGAACCTGATAGAAAAATAGATCTTGCAACCCTGAAACCAAAGTAAATG
AAAAAGTTTCGAGATGAAGTCCATCACAAGGGAGAGAGTTGCCTCCCAGGACGGCGTCT
CTCTAGAGGGACTGAGTTCCAAACCCAGTGCANAAAGTTGTTAAGGAAAATCAAAGAA
GGTTCTGGAATTTGGGTTGCATATTAATACCTANGGAGCTTTAAAGGGAAAGACAA
AACTGAACCCAGACACTACCACAGGCAATTTGATAAGGATTTTACTCCATAACTTTTTA
ACATTTTAGATAGAAAAATTTNAGAACACACAATTTACAGAGATCACCATGATGAACCT
CATGTACCTCATCNAACATCAGTAACTCACAACCTACGGATCAANCTTGTGTCAACCTCTG
CTTCCACCCACTTCCCTCTCCACCCCAAAATAATAATTTTTTTT

Sequence 1591

GGAGTCGACCCCGCGTCCGATTTAGGCAGCTTCTCTTTTCTGATTGGTTTCAGAAAG
ATAAGATGCAGTTACAAGCAAATGGAGAAATTAAGTACAAATGTCTGGTCCGAGAAGCTT
AGCAAACGTAGCAGTATTAGTTCTAACATCCATTTTCTGTCAATTTATTGAAAATATCTT
CAAACTGATACATCTTTAGAAAGTAATACAAATTAAGAGTTCATTGAAATAAAGGAGA
TAGTTTTATGACACCAAGATTTATCTCCACACTTGTTCCTTCATCTTAGATGGAACAAAT
GCAGAGAGTGTAAGCTTAAATAACTATATGCTCTACAATGTAGATAATCAAATGAAAA
TGCTGTGGTCTCAAAGCCAGAGGAATGTGGACCACTTGGTGGCCAAATTAACCAGCTG
AGGTCTTTCTTGAGTACCATCTGAGTCTTCTTTTAAAAAAAAAAAAAAAAAANGGG
GNNGNCCNTTAANNTNTTTNAAAAAAAAAACTTCCAANNNTCCCCTGGACCTGNAANN
NAAANNNAAGNCATTNGNNGNNGTAANTNTTTNNTGGCNCCTTTTAGGGNTCNAAAAA
GCNAANCCCCCCCCAAATCCCCAAAAAACCTT

Sequence 1592

GGAGTCNACCCACGCGTCCGCTAGGTGGAGACCCCGTCCCGCTAAACACTGAGCCCGTG
CAGCGTCCAGGCCTGACACCCCTCCGGCGACTCGCCGCTCTACACCTCCGCGCCACTGT
CCCCGGCCCGACCGACCCAGCCCTTAG

Sequence 1593

TTTTCTAAAGATTTTATTGAATATGTTTCCTCTCATCCTTCTTTGAGTCATGCTGGATA
CTCCCTCTGCTATATCCATTTATTCATTTAATGCCCATAGAGGACCATGCCAACCACAT
CCATCCANACTTCCAGGCCTAAGGTTCTGGTTGAAATGACACAGAAACCATGGCAATGGC
TATGGACAGTCTGTTTCTANAAGGTGACCTTCACACACATTCCCACAAAGGCTGCCTGT
GCTTGTTTTAAATTCAGGGTTACCAATATCCTTCCATTTAGGGACTTCAACCACAAGAG
TTCTTCTATGTTATCAGGAATTGGAGGTACACCAAAATAATATCAAATATGCAAGGAACT
AAAGAGATGCTAATCTCATTCTGTCATCTCTGGTTCTCTGGCTGGGTAAACACCCAGC
ATATTGTTACCTTTGNGATTAAAAATCCACAGCATTTAAAGGATTATACCTATTGTCT
TCGTAAACTAGGCTGACTGAGGTTTAAAAAAAACATAAAGGGCAAGTGTTTATCTTTA
AATTTCAAACATTGGGCAAGGGAAATNAAAANGTCTTTCTACCCATGGAATNAACATT
CCCAGACTGGGNATTAATTTATCCAATGTTTCTTTTCNCCCCANCCNTTTNTTTTNGG
GCAAAAAGGGGGGNGGGANAAGNAAACAAAANGGGNTTGGGAACCCCTNTTTTTT
TTTTTTGNAAAAAANCNTTNTTNAATGNAATTNGAGCTNTTTTTCATTAANCATTTTNGA
AGGGTNNGGGGGNTTGTGNCNAACNTANAAANGGCNNNTTGTNTGNGGCCCANNAAGTGG
GGGGTTNAACANACAAAAANAAAA

Sequence 1594

Table 2

GTCGACTTGTGGGGATTTCCTCCTCCTGGGTTACCCACCTAGTTTTCTTGTGATAAAGT
TATTTTGTATGTAGCTATGAGCACAGGTTGATGCTGGAAACACACATGTAGTGTGGATTG
TCATTAAGAATGTGGAGAACTGGCTAAAGAAACCACTTGACAGTTTTGAGATGAGCACT
GCCTGCCTCAGCATCTGTGGTAACGGCTTCACTTGGGTGCAGAGCTTGGCAGAGGTTTGA
GTGACTCTATCTCGATGATCGTCTGTCAGAGGACAAGGTTAAGTGTCACCACCGAGGACC
CCGTTGAGCCTCTGGGCTGGAAGTAACCTCCCCTGGGCCGGTGAGGCAGCCTCTGGGGGT
CTTCTGACAAGACCCTTCACTGANCTGCAGTTTGGCCACCTCTGCCCTCGCCTCCCTG
ACTGCAGGGCCTNGAGGTCTCACCACCTCCAGCCTGAGCGCCAGTGCCAGGGGCAATT
TCCCGCCTTCCCNNGGGGCTCAGGATGCTGGCTCCTGGGGCAGTGCCCGCAACTGGGCCC
CTCCTTCAGGGCTGGCCACNGCCTCTGCTGTGTCATACCANCTGCTTTCNNGNACTGCAA
CCCACACTGGGCCGCCGCTAACTAGTTANAAAAAAACCTTCCACACCTNCCCCTG

Sequence 1595

GGAGTCGACCCCGCTCCGAGCAAGCCGAGATCTCACCACCTGCACTCCAGCCTGGGCAAC
ACAGCAAGACTCCATCTCAAAAAATAAATAAATGAATAAGATTTCATATGGCACCTAGTTA
ATTTTCATTTACTCAATACTTTTCAGAAATTGAAGAAGCTCTTTTTCACCAGCTACTAAAC
AAAAGCAATTTATCAACTAGGTTTTCTTGCATGAGTTGTTCTGTATGTAACAAGAAAG
CAAGAAAATAAATATTTTTAAATGTCACACTTCCCTGCAAAAATAATCACAATAATAATA
ATAATAAATGAATAAGAGTTTATAGGCTAGGTATAGTGGCTCACACCTGTAATCCTAG
CATTTTGAGAGGCTAAGGCGGGTGATCACTTGAGGTGAGGAGCTCAAGACCAGCCTGGC
CAACATGGTGAAACCCCATCTGTACAAATACAAATATTACTCTAAA

Sequence 1596

GGAGTCGCCCCGCGTGACGNNGNNTCGCNGGNCATGCGACTCATGGCACGGAGCAAAACA
TGGTNCAGCCGCTAAAAACACTGATGGCCGATGATNCGGATTACAGTTNCNATATTCTGG
AANCCCGCTACGCCATTGAAGCCAGCACCGCATGGCATGCGGCAATGCGCGCCACACCTG
GCGACAAAGAAAAGATTGAGCTTTGCTTTGAAGCAACGCTAAGTGAANACCCGGATATCG
CCTCACAAGCGGACGTTTCGTTTTTCATCTGGCGATTGCCGAAGCCTCACATAACATCGTGC
TGCTGCAAACCATGCNCGGTTTTCTTCGATGTCCTGCAATCCTCAGTGAAGCATANCCGTC
AGCGGATGTATCTGGTGCCACCGGTTTTTTCACAACTGACCGAACAACATCAGGCTGTCA
TTGACGCCATTTTCCGGTGATGCTGACGGGGCGCGTAAAGCAATGATGGCGCACCTTA
GTTTTGTTACACCA

Sequence 1597

CCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGGA
AATTACAGACTTTTTCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTT
CCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCG
CCATTGGGAATCTGGTATTTGAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAAC
GCTTCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGC
AGGTGAGGTCCCCGCGTACCT

Sequence 1598

TTGGAGCTCCCCGTNGTGGCGGCCGATGTACTGCCATNCAATGCAAGGCTGCACACCATG
GGGGTTAAAAAGAAACCTTCCCATGTTGCTCGGAAAGACCCGAGGCATGCTAAGATGTG
CATGGGTCTCCTGAGCAGTTGTGGAACCTGCTGCCATGTGTCTATAAAGGGCAGGCAACA
TATCTTCAAAAACATTTATTTAAGTCTCTGGAAGAACACAATAATGATGTTTGCCGATAG
GGAAAGGTAAATGGGGACAGGTGTGAGGAGGCTTCCATCCTTTCTCATGCCACTTGGACC
ACGTGAATGTGGAAGGTGGCCAGGGAGACCCTCTCTGCAAGTCCAGGAATAGGGCG

Sequence 1599

CCNGCTCCCCGCGGNGGTTTGATTACTCATTNCTCTCANTTNCTAATGCCTGATCCTAAC
TACAAGANTGTGTTTGAAAGAACTCCCTGTATAAGAGACATATTTCAAAGAGCTCAAA
ATAGTAAACACTAACTCTTCAAACCACTATCTACAGCTGGAAAATGCTTCTCCCTTGT
AAGAAAAAAAAGGAAGGCAGGCCTGGTGCGGTGGCTCATGCCTGTAATCCAGCACTTTA

Table 2

GGAGGCCGAGGTGGGCAGATGACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATG
GAGAAACCCTGTCCCTACCGAAAATACCGANAAAAAAGAGAAAAAAGT

Sequence 1600

ACNCCCCCCCCNATCNCNGGGGAAAAAGNTCCCCGCCCCACCGCGGGGNGGGNTTGGCG
GNGGGNACNANTTTCCCCCGGGGNTTTNAAAAACCCCCGNNCACAACCTCCCCGG
GGGGGTTCCGTNTAGAANGNGGNAAAAANGGGCCCCGGCCANGCNGGCCNCCNGGG
GGGAANGGGGGGGAAGGCCCGNNNNNCNANAGGGGGCCNCCCCNNCNCNNGGGGANA
ACCGGAAACCCCCGGGGAGNCCCCCNNGGGGCCACCCCCGGGGGGGGCCACCCAAGGGGG
GANNGGGGCCNCGGGGGNAGACCNAACCCAAANCNGNAAAGNGGNGGGAAAA

Sequence 1601

GCCATGCTCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTNGGAGACCCTNCATC
ATCAAGTTCAAAGACCAGGANCTTTACCACCTTTGCGGGGGTCACTTGCCCTGANCATG
GGGCCGACCGTTTAAAGGAATGANNACATTCTTGAGCAGNATTNTCCATAGGGCCA
AAAAGCTGCTCCAGNAAAAACNCTCTCCAATGTTGNTNTGGAAAGNCGCCACANGGA
TTTACCAGGGGNGCCNCCCTNANTTNANTTCNGGNNNNAAAAAANNCCNNTTTTTNT
CTNNCCNAAAAAGGGGGGNGNCCNNTTTTTNTNTTTTTTTNGGGGNNNNCCAGN
GNNNANTTTTTTTTTNAAAAAANNTTATATNTGGGGGNTTAAAAA
AAAAAGANGNNCCCCCCCCCGGGGNGNNAANNAATATTTTTTANANTANTTTTTT
TTACCCCCCCCCCCCCCGGGGGGGGGGGGNCNCCCCCNCTTTTTTTTTTTTTT
TTTTTAGNGNNNGAAAAANAANCCCCCCCCCNCCNAAAAA

Sequence 1602

CTCCACCGTTGTGGCGCGCGTTTGCAGGGTNGCANGTACGGGCGTGCGCGCCGCTGG
CGGGGCCGAGTCTGGCAAGCCGACAGCAGGCTGGCGCGGCAAGGACGATCATCGCGTG
TCTCATGCCTGCCAGCCTACCATGGTTTAACTGAACAGGCGTGCCAGCTCCACGCCGGG
TCGGGGGCGCGCATGAACGCTTCGCCACCAGGAAGCTGTGGATGTGCGCATCGCGCATG
CGTTGCACAT

Sequence 1603

AGGTACTTGGTCTTTGAAGTCTCGTGTGAAAGAGTTGAACACAATAAATTTAATGTG
AAAAGGTCTCAAGTAGTTAATCAGAAATGAGAGCGCACATAGCATTTTATACTGTTTTT
GATTTGCTGACACAACATCATTCTGTGCTCTCTAGTGAGCAAGAGTAATCCTCAATAGCA
TTAAGACGAAAGGCTGAACACAAAACCGCAGGCAAGTCAAGTAGTGATTTTATTCTTTT
GTCATTTTTCTTTCAAGTGGAAGATCCCTAACACTCTCTGCTCCTGACAATGTTTATAAA
CAGAACTNTGAGAAGCATCTGAATGTAAA

Sequence 1604

CACGGNTTTCGCCACGCCGCCGNTGATGGCATNCTGCATGAAGTTCAGGTAACCGGTGA
CGGACGGCTCAGACGTGATCTGCATTTCCGGCACCACCAGGCCCGCGTCGCCAGCGCGG
AATTGGGCGGCACGTAGGAGGGACGGAAGTAGTTGAAGACGGACGGCGCGTTCATGGGGT
TCTGGCCGAGTCCCGACAGCGGATCGCTGAGGTAATANGATGCGGTACTGCAAAGCAGCA
TCCTTGGCGTTAAACGCGCGCATCCAGTTGC

Sequence 1605

GGCATCCTGCATGAAGTTCAGGTAACCGGTGACGGACGGCTCANACGTGATCTGCATTTT
CGGCGCCACCAGNCCCGCGTCGCCAGCGCGGAATTGGGCGGCACGTAGGAGGGACGGAA
GTAGTTGAAGACGGACGGCGCGGTTTCATGGGGTCTGGCCGAGTCCCGACAGCGGATCGC
TGAGGTAATAAATGCGGTACTGCAAAGCAGCATCCTTGGCGTTAAACGCGCGCATCCAG
TTGCCCAAACGCACCAGCGGTTGNTGCAGTTTGCCCGTGCNCAGGGTGCTGCCGGCTGG
CNCAAGCGCCTCGGGGNTCCAACAGCACGGNACGGATCACNGN

Sequence 1606

Table 2

NGGTACTTTTTNTTCTTTTTTTTTTTNGCTGACCTGNAGTTNGATTTNCNNTGTNT
ANACTTAACANTCTGAATTTAAACACGAGGCATATACACAAAATCATCTGGAAC TGATT
TTTTCACACTAAACACTTCTTTCTGATCCTACTTTCCAGGAGGCTCCTTCCTCCAAACAT
ACCTCCAGATGAAAATCACTTAATTAACCAAGAAAGACTCAACCGCCCTTAAGTGCTTTT
CTAAACAGTCACACATACTGGATTTACTTATTTTGAGACATGACAAACCAGTTGCAAACC
ACAAATTCATTCTCATGGGCCCTCCACACGGTCTCTTGTTCCTTCTGAAGAGGGTCTTGC
TGAGGACCATTGTGCCCCCTT

Sequence 1607

ACCNGGCCNTGCTTNGATGCAAGACTCCTCTCCCTAACGATTTTGAAGAGATATCCATCC
AGTTCTCCTCTAAAACCTAATTGCTTACCCAGATGAAAAGATATTTGAGAATAATGAACC
CATGAGTTGGGTGGGAAGTTTAGGATACCTTTTTATTCTGATGCTCATGANAGCACCATT
TANAACCTACAGCATTGTGGATATTTGGTCTATTTAATATTAAAAATTANAGCACAAAG
GCATTTT

Sequence 1608

CCGGGCAGGTACGCGGGATTTATGTCAATGATAACAATTTACCTATTTTCAATTTCTGT
TTGTTTTATGAAAAGCAAATAGAAGCAATCAGGGCACTGCAAGTTGTGACTACTCCAAG
ATGTGAATCATGGATCATGCAAAATACAATCATGTTTTAACCTGACCTCCAAAGGGAGAA
TAAAGTAAAAATTATCCCATGTGAGGATTATTCACCAGTTTATATGTCATTAGTTACCAG
TNTTCTTTATGAATAATGTTTAGCAATATTATAAAAGTATGTCTAATAGNTTATCAGGT
TTTTGGCTTGTTACTTTTTGGTAGNAACTTATAA

Sequence 1609

TCCCACAATTGAGAGGTGAGCAAATCACATAGAACTTGCTTTGTAGCCCTGAATGTGCC
ATCTCCCTCTCCCTCCAGTGACCTCTGCTTCCAGCTTCCCTTCCCTATCTCCTGTATCTC
TGCTTCACTTGTGCTACCTTCTCACACCACATCTTCCAGGATTACACTTTTATGCTACAC
CTGCACTGATCAGTCTTCTACTCCAGTCTTCATTTTGTCTTCGTAAAAATGTTGAGGATG
AATGCTGTTCCACTTTCCTTTCCTATAGCGAGATGGCCTCCCCGCGTACCT

Sequence 1610

AGGTACTGACTTATGCTGGGATGGTCTCGAATTTTATTAGAATCCCCCAGAGTGCTTT
TAAACTCTTCATGTTCAAGGCCAAGCCTTTAAACCATTAACTAAGAATCTCTGGGTGGA
GGGTGTGACCTAGGCTCAGCTTCTTTAATGTTTCTCAGTTGTGTCTGAAGTGCAAGTCAG
GATGAGAACCCTTGTATGCATCTCCTAACTTTCTAACTTTACTGTGCATGAGAAGCAC
CAGGAGATCTTGTTAGAATGCAGTTTCTGATTTAGGAAGCCTATGCTAACGTCAGAGATC
TACATTTCCACCAGCTCTCAGGTGTAGTGACTCTCCTGCTCTGTGGACCACACTTTAAAT
AGCCAGGCTTACCAATCCACTTAAAAATGGCCAAAACCACAATTACTTTTGCACCAAAT
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TTCCTCCATCCTACCAGCTGTTTTTCAG

Sequence 1611

CCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGA
AATTACATACTTTTTCCCACTTCTTTTGATAATATCAACGTAGGGACTCCATCTACTT
CCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCG
CCATTGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAAT
GCTTCCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACAGC
AGGTCCCCGCGTACCT

Sequence 1612

CGAGCGGCCGCCCGGGCAGGTACTCTCACCTGTGGGCATTTGTCAAATCAGTATTACTG
CTGGGGGGGATGAGGGCTGAAAACCTCTTTTACCCTCTTTCTGACATCATTTGCCACA
GTGTGCTTTTTTGTCTGGTATTTCTTATACCCTTGAGTCTCTTCCCTATTTTAGTCA
ACCCAGCAGTCTGTATTCATTCTTAAATCAGGATTTGAGCTTTGCACCTGCTCCTTTT
GGCTGGGGTTGAGTCTACTTCAGAGGCTAGGGATATAGAGGGTCCAAATACAATTTAAAT

Table 2

AAGAAAATGCTACNAATAAAAAGTGTGAGAAGAATAAGAATTCTAGAAAAAAGAAAAA
GAAAATGGAAAGAAAAGACTTTTAAATGTTAAGGCATCTGGCAGAGAGACCAAATGGGA
ACAAAAACCCAATTCTCTCTCCTNACAAGTCCTTGACCCCTGGCCTAATGGCTGCTTNA
ACCCACAA

Sequence 1613

GCCGGTGATCGACCCGTTCAACTGGGATGCGGGCAGCGTGGCGCGTCCCGTCATCAACTA
CGCGCAGTGGGGCAGGCCAGCATTACCGAGCAAAGCGGCGTGTATGCGGGCAGCGCCT
GCGCCTGGCCGATCCGCTGTCGCTGGTGGTGGGCGGGCGCGTGAGCTGGTACAAGGACGA
TGCCGGCTACTCGGTGGCGCGCAATTCACTCCTTATGCGGGTGTCTGTATGACCTCGA
CAAGCAGCATTGGTGTACGCCAGCTGGACCGAAATCTTCCAGCCGAGGCTTCCACGGA
CGCCAATGGACAGCCCTGAAGCCGATCAGTGGCACCAACTATGAAGCGGGCGTGAAAGG
CGAATACTTTGGCGGGCGCCCTCAATGCCAGCGCAGCCGTGTTCCAGATCCGCCAGCAAAA
CCGGGGCGTGGACGANCTGGCCGGCCGAATCCTTGCCCCGG

Sequence 1614

ACTTCCTGACTTGTGAGCGTGTCTCACTGCTGGCCCTCTTGAGCCTGCTGAGTCGGGA
CTCAAAGCCAAGGAAGTTGAAGACTTAGAACTCTTCATGCCGGAAGAGGCTGCAGGCA

Sequence 1615

CCGGACGGTACCGGGCTCGGTTTGGCCATTACCCAGAACATCATCAGCCAGCACCAGGGT
TTGATCGAATGTGAGAGCCATCCCGGCCACACCACCTTCTNGATCTTTCTGCCACTGGAA
CAAGGAGCCCCATCGACATGAGCCGTAGTGAAGTGTCTGGATCGTCGATGACGACCGTT
CTATCCGCTGGGTCTGGAGAAAGCCTTGCAACAGGAAGGCATGACCACCCAGAGCTTCG
ACAGCGCCGACGGGGTGATGAGCCGCTGGCTCGCCAGCAGCCCGACGTGATCATCTNCG
ACATCCGCATGCCCGGCCAGTGGCCTGGA

Sequence 1616

AACTACTGTTTCTATAATGGGATATTTTATTACATGAGGTCTNTGNNGGCATAGTTATTT
CATTAAANAAACACNCTTCATAAAATTCATCCATGTATGGTAATCTAAAAAGCCAATCT
AGATGACAGAAGCTTCTGACTATAAATTATAAGTAATCTTATCCATACATNCNAGAANC
TAGTGATTATTAAGTNCTCTACTGTACTTCAAACACATNTAAGTTTTCCAAAAGATT
CAAAAACAATTCCTGGCAGCAAGCAAAAAGTCAGGGANAACTGCTGANACAGNGGTGC
TGGTAAGGGCTCCTGGTAG

Sequence 1617

CCGGGCAGGTACTTGACTCTCCCTGCACTGCCTTGCTTTTGAAGGCATCTAAAATCTCTC
ACTTTTCCCATAACCACATTTACAGCTGGGTCTTCTGCTGGACTCAGCACAGGAGGAC
CCTCTCTCANACTGGTTGGAACTTTGGGCACATTTGAAAAGTGTCAACACAATCTGTAA
ACACATCAGTCATAATGATTCTTTCCTAGGAACTNGACACACCCAGATGAACTCTNTTGT
TATGACAGGATCAGTACCANGAGAATTTCTCTCCCGCGTACCTTGGACGCTTTTAGAAC
TAN

Sequence 1618

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGG

Sequence 1619

ACTGCCATGCAATGCAAGGCTGCACACCATGGGGGTAAAAAAGAAACCTTCCCATGTTG
CTCGGAAAGACCCGAGGCATGCTAAGATGTGCATGGGTCTCCTGAGCAGTTGTGGAACCT
GCTGCCATGTGTCTATAAAGGGCAGGCAACATATCTTCAAAAACATTTATTTAAGTCTCT
GGAAGAACACAATAATGATGTTTGCCGATAGGGAAAGGTAAATGGG

Sequence 1620

ACCTGACTTTGGGTAAAGTTGCCAGAATAAGATCATCAGGCTTGGCTTGGAATTACAGA

Table 2

CTTTTCCCACCATCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCATGATGT
TAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCCATTGGGA
ATCTGGTATTTACAGGCAGCANAGGAAAGCAGCTTGCTGCCTTTAGTCAAAGTCTTCCTG
GAAACCCCCCGCGTACCTGCCCCGGCGGGCCGCTCTAAACTAAGTGGATCCCC

Sequence 1621

CGAGGTACTCAAGAAACCCAGGCCAGAGTTACTGGAGCCCTTCCTCACAAATTGGCCTTGG
CTCCCTCTCCACTTGTGTGTTTTACATTGACTTGATCTTCAGTGGAGTAACTCTGAGCA
GTGGCTGTAGCTCAGCAGGTAGAAAACTCTTAACCCCTGAAGAGGGGAATACAGTAGC
ACCATTGAAAAAGAGGTTGTGTATAGAGTTTCATTCTTAAATTTGCTTTGCCAAGGAGA
AAGCCTGTGAGAAGTGAAGCAAGGTGGAAGTGGGGTCCAAAGAGAGGGAGTAACTAGA
TGCCATATTAATTTGTATTTCTTGGAATATGACTGCAGTTTATATAACTTGGTTTA
AACATTTTGGNACCTCTTAAAGAAAAATTTGG

Sequence 1622

CCGCGGTGGCGGCCGAGGTACTTTGGGAGGCTGAGGCAGGAAGATCCCCTGAGCCCAGGA
GTTGAGAACAGCCTGGACAACATAAGGAGACCCCGTCTCTATAAGTAATAATAAAT
AATAAATAGTTGTTTGCCTTGACGCCAGGGTGAGTAGAAAAATATGGCTGAATATAAA
GCAACAAATATTTATTTACTTTCTATATACTTCTTAAAGAAAAGTTTATTCTTAGTAA
TAAATACTACCTTACTTAAGTCTTAACCTCACATTGTCTGT

Sequence 1623

TACTACTATAGGGCNAATTGGAANTGCACCTCCACNGCGGNNGCNNNNGCAGNTCCGCGG
GGANAATAGAGTGGCTGACTTGCTGATTGAGGTGGCAGCTCCCCGAGAAGCAGGAGAAGT
AGAGTTTTTGCAGACAGGCCACGAAGTCAAGCATGCGGAGTGCAGCCAAGCCCTGGAAC
CCAACCATCANAGCAGGGGGCCACGGCCCANACCGGTGCGGCCTCTGCCTGCAGCCTCT
TCCGGCATGAAGAGTTCTAAGTCTTCAACTTCCTTGGCTTTTGAAGTCCCGACTCANCAGG
CTCAAGAGGGCCANCATTGAGGACACNCTCAACAAGCCANNAAGTACCT

Sequence 1624

ACTGACTGGGTCCCAGGTTTGTCTCACTGCTGTCGGCTTGATGGAGGTCTCCTCACCACA
GAACCCAAGTCTCTGTGGGCCCTCAGAGCCTCAGGTCCCTTTCTCTCTGCCTTCCAGCAT
GTTGCCCTTCTTTTGAAGGTGATCCTTTCAAAGATGTGTCATCTCTTCTTCCAGGAGC
TCCCCATGCCTTCTTTTCCCACTGCTCCCTTTCAACTCTCAGCGCCGCTGGGGGCAGGCC
CCAGGTGCTGGCTCTGCCTGCCAGGCCGCACTCCCGCGT

Sequence 1625

TGTCGGTGTAGTGTCTCCTCGATCCGCAGGTCCGACTCGTGGTACAGCAGGCCGTCGAGCA
CATAGGTGGAATCGCGCACGCCGACATTCACCACGCGGGTGCTGAACGGCGCGTACTGGT
CGGAGATATGGGTGTAGAACAGCCGTCGCCGGTCACTGCCGTACTTCGGGTTGACGTGTC
CGGTGCTCTCGCCC

Sequence 1626

CCGNGGTACCAATTTATTATATGCTGCCTTCAGGTATTCATTTATATTTGTCTCTTAA
ACTAATTGTAAAGTGTTCATTAGTACTGGCTTATAATCCACATGTNAGCAANNNAAGT
NTATCTNNAACATTTACTTTAATATTTTAAATATTATAATTTCAAATGAGTTCCAATTT
CCCAACTTGCTCTTAACCAAGTATTTTTTTAACCAGTTCTCTACTTCTTTAATGAAATT
AAAGAACTAAAATAATTTCAACACCTTTAATAACCAAATAAACATCAGGGAAATTATAT
GTGAACATGTAATAACAAAATTAAAGCTACTGATCTGTNAAAGGACAGTANGAAAAATTN
GTATTCAAATGACANGGGGATATTTAAATACGACACTGCAGCAGCATAAACATGATAAA
TCTCATTTTGTATATAAATGGGGAAT

Sequence 1627

GGCTGTGCGCCNGTTCAAGTGTACNGCAGGNAGTGTGCCGTCTACNGACTCACNTTCGG
NGCTGTGAGANNCAATNNCCAAGCTTTAAGTNAANGTGNANTTTATANTTTTCCANTCCA
NGCGGGGGNGGANNCAAAAGAAGCCTTCTCGGATCTTCCCAAGGGCCANTCCCAAAGGA

Table 2

ACCGTTTCCTNTTTTCCAACCTTGGATTCCAATAATTNACCCTTTTATTCAATCCTTTTT
GGGGGGGNAAAAAAGGTCAATCCCCCAGGTTCTTTGGGAAATTCCTTGGTCGGGC
CCCAAGGTGGAAATTAAAGGAATAAGACCGGTCCCCAAGNAATTAAGGCCTCNAAGCCTT
TCCANGGGTCCCCCTTTGGAGGGGGGTTCTTTCCCTTCAAAAAGGGGCNTTTTNTCCCC
TCCAACCAAAAAGGGGGGGGNTCCTTCTTCAAAAAAAGANAAAAAGGGTGGGGGGGGCC
CAACCAACCTTTNGCCTTNGAACNAAATNGGAAAAACCAGGGGGGTTTNCCTTNNCCCC
GGGCNATTTCAACAAAA

Sequence 1628

GCTCCCCGCGGTGGCGGCCGCCGGGCAGGTA CTCTC NNCTGTGGGCATTTGTCAAATC
AGTATTACTGCTGGGGGGGATGAGGGCTGAAACTCCTATTTACCATCTTTCTGACATC
ATTTGCCACAGTGTGCTTTTTTTGTTCTGGTATTTCTTATACCTTGAGTCTNTTCCCT
ATTTTAGTCAACCCAGCAGNCTGTATTCATTCTCTTAATCAGGATTTGAGCTTTGCACC
TGCTCCTTTTGGCTGGGGTTGAGTCTACTTCANAGGCTAGGGATATAGAGGGTCCAAAT
ACAATTTAAATAAGAAAATTGCTACGAATAAAAGTGTGAGAAGAATAAGAAATCTAGA
AAAAAGAAAAAGAAATGGAAAGAAAAGACTTTTAAATGTTAAGGCATCTGGCAGAGA
GACCAAATGGGAAC

Sequence 1629

AGGTGGCCGAGGTACGCGGGGGGCCAAATAAGCACTATGTAAGTTTTTTAATTTTCCCA
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TTAGTTCATAAAAAAATGTTTTATGGACCAGGTGCCGTGGCTCACACCTGCAATCTCAAC
ACCCTGGGAGGCCAGGNGGGAGGATCGCTGAGCCTAGGGAAC TTGAGACCATCTGGC
CAACATGGTGAAGCCCCGNTNTACTAAAAAATACAAAAAATTATTCTGGGACATGCTG
GCGTGCGCCTGTAGGTCTCAGCCTACCTAAGGGTAGACTGGAGGTGGGGGANAAATCAAC
CCTGAANCCCTNGGGNAGGTTGGAANGTNTNGCAATTNGGGGTTTGAGAATCAATGGNTA
CTTGNNACCCTTGGCCCCGGGNCCGGGNTCCGGCTNCTAANAAACCTTAGGNGGGGATN
CCCCCCCCGGGGGGCCTTGNCANGGGGAAATTTCCNATNATNNAANGCCTTTATTTCNG
TTTAACCCCGGANTGNNACCCTTGGANGGGGG

Sequence 1630

CGCGGTGGCGGCCGANGTNCGCGGGGGTATGCGATCGTGGCAGGATTGCAGGACGGGCAG
CACTCTTTCTGCAGAAGGTAAAAATCACCTTGCTGAGGAAGCTTTTCGTCTGCTGATTCT
TCTTTGTGACATCGGGGAATAAGGATTTATTCTAACAGTCTTGGGGGCTCGTCTGGGAT
CACCCAGTCTCCTTCGGGTGCGGGTCTCTGATTCCTGCCCCCCCCACCAAGGGGGAGGCC
GCCCCACTGCATTACTTGGGTGGCNCCTCAGNGGACTGNGGANTTCCGGNACTTACCTG
NTTGTGGATGGAATAAACCCGGGACCCCTTC

Sequence 1631

AGGTACTCAAGAAACCCAGGCCAGAGTACTGGAGCCCTTCCTCACAAATGGCCTTGGCT
CCCTCTCCACTTGTGTGTTTTACATTGACTTGATCTTCAGTGGAGTAACTCTGAGCAGT
GGCTGTGGCTCANCAGGTAGAAAACTCTTAACCCTTGAAGAGGGGAATACAGTAGCAC
CATTGAAAAAGAGGTTGTGTATAGAGTTTCACTTAAATTTGCTTTTGCCAAGGGANA
AANCCTGTGGAGGAGTGAAAGCAAGGTNGGAACTTGGGGGTCCAAANGAGAGGGNAATT
AAACTANTATGCCCATAATTAATTTTGGTATTTTCTTGGGAAGAAATATTGNACCTGC
CAGGTTTTTTATTATTAATAAACCTTTTGGGGTNTTTAAAAACCATTTTTTTTNGTAAAA
CCCCTGGCTTTTANAAGAAAAAATTTTGGGGGTTCTTGGGGGTTGGGGTCCAGAAATTTT
TTCAANTTTTGGGTAAAGGAAANATAGGNATTTNNTGGAATGTACCCAGGTTTTNTG
TTTTT

Sequence 1632

GCAAATGCAACGTATCGCCCCGAGAGATGAACCTGTGCGAAACCACCTTCGTGCTCAAGCC
ACGTAACGGTGGTGATGCGCTGATCCGGATTTTCACCCCGGTCAACGAACTGCCCTTTGC
CGGCCATCCGTTACTGGGTACGGCCATTGCCCTGGGCGCGCACACCGATAATCACCGGCT

Table 2

GTACCTGGAAACCCAGATGGGCACCATCGCTTTTGAAGTGGAGCGTCAGAACGGCAGCGT
GATCGCCGCCAGCATGGACCAGCCCATACCGACCTGGACGGCCCTGGGCCGCGACGCCGA
ATTGCTCAAGGCCTTGGGCATCAAGTGAATCGACCTTTCCCATCGAGATCTATCACAACG
GCCCCGCGCATGTGTTTGTGGTCTGCCGAGTATCGAGGCCTTGTGCGCCCTGCACCCAG
ACCATCGTGCGCTGTCCAGCTTCCACGACATGGCCATCAACTGTTTTTG

Sequence 1633

GACAAAGTNTGCTTGAAACAACAACAGCTCTCATCGAATATTCAGAGAGTCCACTAGGNG
CCAGGCAANGTCTGAAGCTCCTGAGGACAGAGCAGNGTACAAAACACTACGTNTCCCGCTCT
TGCAGGANACTCCTTTCTAAGCATAANANAGACNATAAAATTGGAGGCAGGAGTGGGTGG
TGGGCNATGGGGTCCACTTTANATACAGNGATAATGGAAAAAAGTTTGTGAGATGGCAT
TTGAAGTGAAGTTGAATGANATAAGACAGCAANGCCTAAGGTC

Sequence 1634

CCGGGCAGGTACTCCAATCTGGGGCCAGAGCAAGACCCCTATCTCAGTCAATCAATCAAGA
TTTTGTGTAATATAATCATTATTCACAATTTTAAAAAATCAGCTTCAAACACAGAAAT
ATGAAAAATCAGAAATTAGGAAGGCTGGTGGTCACTTCACTTAAAAATAAGTTTATAAAG
AGTCCATTATCTGTAGAGATATGTATTGAAGCATTTTCCAATAAAGTGAATACTGGGAT
TTGCTTTAAATCATCTGAGGTAGGGGGAGCCTAGAAATTAAGTGTAAAGCTAAGTGATG
GGAGTTCATAAATTATTCTATTTTCTGTTTGAAATCCTCCATCATGAAATGTTTCATT
TTGTTTTAAGTAAGTTTCCCAAAGATCTTTATNATTAATNTACTCTGTAGATAAAATGA
CAGGCTGNCCCTAAGCTGT

Sequence 1635

CGCGGTGGCGCCGAGGTACCGCGGGAGAAATACAAAAATCAGCTGGGACTACAGGCGC
CCGCCACCAAGCACAGCTAAGTTTTTTATTTATAGTAGAGACGGGGTTTCACTGTGTTAG
TCAGGATGGTCTCGATCTCCTGACCTCGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCCG
GGATTACAGGCGTGAGCCACCGCGCGGGCCTGATTTCACTTTCTCCAGCCCTTCTAT
TGTTAACATGGGGGTTGTGTTGAAGAATATAAAGTTACAAAGTCAAGGAAGTAGGAAACA
TTTTTACAAGTATTATGTAGCCATCTTGGTGGGGCTGTGGTGAAGTAGGCTGCAAATGAT
TCTCCTATTTCTTTCCCTGAGTTCAGAACATAGGAATTAGATTGATAGACATCAACATAC
CCGCTTTATTGCTGACTCATGACAATAATGGGAAGACATGGCTCAGATGTGCAGCCACA
GTGAGCTTCTGAACATTTCTTCTCAGACTAAGCTCTTACACACAGTTGCAATTGAAAGAA
AGAATTGCTTGACAT

Sequence 1636

AGGTACTTGCGTGAACCACTGCTTCCCGCTACACATTACTTGCACAACTGTTTTTG
ATTTGTCCCTTACTGAACTGTCTTATGCTTAATCATTTTTGTCTTTCTTTCATATCTA
TTAGTTTCTCTCTAATTGCTTTGATCTGTATTTTATGCTACATTCAGTNTATTTTCTTA
AGCCTTTCTTGATTTTGAAGTGCCATTTTGTTCCTCACTCTCTCTCGTTTNTTGATA
TTATTTTTATCTTTAGTTTTATATATTACGTTTTATCTTTAGTTTTTAGTTTTCTAATT
TTTAAATTAGTTCCAGCATGTGGNNTATATAATTTTATTTTAACTTATGCCCCCAA
TGATTACTTAAATATTCTTTCTGAGGAATTTACANGGATTTTAANTATAAATCTCTA
TTTNTGGNTATTTATAAGATTGATNGGTCATTAAATTAAGGNGGNTNATTTTTCATNGA
AAAAAGTTAGAAAATTAACTTTTTCTTTGCTTATACTATNTCAATTTTGGGGTNCTTN
CTTTTAAAGGC

Sequence 1637

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGA

Sequence 1638

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTTTGCTTTTGAATTCCTTAT

Table 2

TGTTTTCAATTAAGAAATGTGGAAATCTGAAACAACTATATTCTCAATCATGTTAGAAA
AAGTATATGTAATATGATTTTTTAAAGTCCAGTGGCTAAGAACTTAGACTGGGTTTTG
AAATAAATTTCTAACACAGTTTCTCAGTATGTTTCCTCTAGACAAGAGAAAACCTG
NAATTATGATTCTTAATTTACCCTGGTAATTTTATAAGAAAAATGATTAATTACTTTGAG
CCATCAGTTATACCAGATAATCATGGGTCTTTATTTAAACCNCAAAAAATAGAAAGAAAG
CCGAGAAGCTTAAGCCTTAAATNTTAAGGCCAATTCGGCCTTTAGGNAAAAATGGAATC
NGGGGTAAANATTTTCTTTTAGACACAAGNCAGGCTTAACAATCTTTCTATTTTTN
GGTGGGGGTNACCTANTTTAATTATNTTTTTTAAGNTTCAACCTAACCTCTTGCCNCC
AACCAATNGGGAATTTTGAAGGGGGGAATNTACCTANCTTTGGNAAAAA

Sequence 1639

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGACCACT
TCCTGTGTTTTGTTAAGTCATGAAAATTAGATTTCTGATTCATCTTTATTTAGCATTTCA
CTATGTATGTATTTGTTCTAATATTCAAATCACTTGCTACTTGAAATTGAATTTCTGAA
GATAATACTACAATTTAAAAATATTTATTTTTGCCTATGTAAATTAATAGGGAGACTCC
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TTCTGGCTACTTTGGAGGCTGTGGTAGGAGGATCACTTGAGCCTGGGCGGGTGAGGCTGG
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CCCAACCCCTATTATGGTGCTACTCAGAAATACTGNAACTTTTACCGGTTTCTTCNG
GGCCTTAGCCTTTCTTAAATGCACACCNCACTGNACTTACTTAAATACAGGGTGNGTTT
TCCCTTATTTGGAAAAACTTGGGAACCNAGAAGNGGAATTTGGATTTTNAAAATTTTT

Sequence 1640

TATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGGTACTTTTTAAACCTCAATGC
CACACTCATAATGAATAACCAGTCTACTATCTCTTATGAATTCCTGATAATTTCTCTCA
TTTTTACTCAAAAAGTCCAAATGAATCCAGGACCGTCTTTCCAAGACTTAACTTTATT
TTATTTTGAATACTATGAGCTCTAAATATCTAGATTTTGTGAGATAAAATCCATGGTGT
TGAGAATCTTTGTGTTAATATTTGGAATTAATAAATGGAATGAAATCTGATATTAATATA
ATAGAAAGACTAGAGTCTGGCAGAAGTTGGGCTGGATTNGTGCTTTTGGACCTTGGGNGA
CTTTATCTAACTACTCCAAACCTTNGGTTTTNTTCCCAAGGAACTGGAATGACCT

Sequence 1641

CAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTACCA
AGAAAATGTGTCCAGGTCAAGCCCTAAGGCTTCTGATAAACGCATTACCAAAGTTTACC
GAAAATATAGTGCATACCAGAGACAGTGGCTCACGCCTGTAATCCCAACAGTCTGGGAT
TACGAAGAGGCTGAGGCAGGAGGATCACTTGAAGCCAGGAGTTCAAACAGCCTGGGCA
ACACAGGGAGAACCCATCTTAACAAAAAATTTAAAAAATTAGCTAGGCCAGGTAGTGCATG
CCTGTAGTCCAGTTACTTGGGAGGCCAAAGATGGGTCACTTTGAGCCCAAGGAGTTTGA
GGCTACAGTCAGCTATGATCATGCCACTTCACTCCCATCTGGGCAACAGAGCAAGACCCC
GTCTTCTTTAAAAAAGTGCCAGCCGGGCCGTGGTGGCTCACACCTGTAATCCCA
GCACTTTGGGAGGGCCAAGGCGG

Sequence 1642

CCCTTTCGAGCGGCCGCCGGGCGGCGAGGTACTCACTGCCCTATGCCAGGACCACACTAGC
TCTCAGTTTCTACTCCCTACTTTAACAATCTCAAGATGTTAAATGTCTCAAGGCAAAAT
GGCTTGCTATTTAGCAAGTGTTACTAGAAGAGAAAAAGCATGGGTCTGTAAGCTCTC
CATTTCTTGGTATATTGGCATTTTTTTCTC

Sequence 1643

CCCTTAGCGTGGTCGCGGCCGAGGTACAAAGGGTTATGCATTAGGGACTGAGGGCGTCTA
TGTTTATATAAAATAGCATTTCTATAGAAATTAACATACCCATCACTGTGATATGA
GATGCTCTGTCTCCATGTGATGCCGAAATATGTAAGGAGCTTTTGGGCTAAAGCGTATT
CAAAATGAATTTTTTTAAGCTAAGGAATCTAATCATTGAAAGTATCTTTGTAAGTAATT
CACCAAATATTTGGCCAGGAGAGAAAAATAAATCTTTATTTAAATGAGCATTATTTAAAGT

Table 2

TTGTTATTAACTTCTTGATTTGCTTGAAGACGAGGTCTTTAAAATCCTGCATAACTTT
AAAATGTATTGTATTTTCAAGATTATTTGTGAGAGAAAGATAACAGGGGATACGAATNTAA
ATTAATATAGGGATGATAATTATGATCTAAAACCAGTAGGNAATCATGTTATTTAA

Sequence 1644

GATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTACACACTTGAGAGGC
ATCGCTGTCTCCCTTCAGCTAGCCATATTCGTCATATATGAAGGTTTACCTATTAGT
ATGATAAATATCAGATATGACTTTTTACTACCAAAATCAGAGCTTAATCATCAGCATTGT
TTCTTGCTATTTGTTTGGAGAAATTGTTTCTGACCCCAACTATAAGACTATAGGACCCA
GCTTATGGAATGCTGCCTTATCTATCTTGGCTGAACCTTCCACACAAAGTGACAATAGTG
CATGAAAAACAAGTTTAAGTGGACAGGTTTACAGACTGTTTATCCCTGCTTTCTAAGGAA
TATTTTTC

Sequence 1645

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTAC
TTTTCTTTATGAATGTTATACCAGAACTTAGGAGGAAAAAATTTTTGAGCATACTGAATA
TTAGGAATTGGATATCTCCCTAAATTATTAAGTTCATCTTCCATAAATTCTGTAAAACT
GAATGTAGTATTTCCCTCTTCCCATGCAAGTAACTGATATCACTTTAGAAAACCTGAT
ATGAACATTATTTGTTATTGTGCTTTTATGAAGAATTCTGTCTAATCTTCTCATAAGAAG
AAAGAATTGAACCCAAAAATCTAATTATCAGATTTAGTAAGATGTAGGCAAGATCCACC
TATTTTTTTCATTTATGTCTTTCAAAAATCAATCACATTCTATTA

Sequence 1646

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTA
CCTACTAGATGCCAAGGTCACGAATTAGGGTAGGAAAGGAGCTAAGAAGAGCAAAAAATGT
TAAAAGGAATCCAAATGATTTTATAGGAGTGGTGAGATGGTGGTAGGAAGAGTTGGGATG
ACATCAAGGTGGAAGAAGTGTTTTGTTTGGAGACAGGGACTTGCTCTTTTGCCAGGCT
GGAGTGATATCACGGCTCACTGCACCTCGATCTCCTAGGTTCAAGCAGNNGTNGTCCCC
CAGCCTCCCAAAGCAGGCCGGGACCACCGGATNTGGTGTACCATAGCTNGCCTAATTTT
TAA

Sequence 1647

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACCTAGAGGAATAGTGCTGGGAGGTGCAGGATG
GGTCAGGAGTAGGGCAAATGAGGGATGTCTTTGAAAGTGAGAAGAAAGCAGAGATTC
TTTTTCCAAGAAAAGATTTTTTAAATATCAAGTAAACATATGATGATGATATCTTAGAT
ATAAACATTGTAATACATTTGCTACTCTACTCATAAATCCTTTATCAGACAACTGATGG
GATTTAATAATGACCGTCTTTTTGTATTGTCTATGGTAGGCATTGTAGTTTCTACATAT
ACTGACAATTCATTTATCTTCTTGGTGTCTTTTATTATTAACAGTTCTCAGAGTAAAA
CAAAAACAATTTGAAAAAATTTCTTTATCTCATTCAATATCATGGCAAATGAAACGTCA
CAAAAAATGGTCATAATTTACATTGAGAAACAATTACAGGTTAAATCTAAAAAGTGGA
AACTTGCA

Sequence 1648

CCCTTAGGCGTGGTCGCGGCCGAGGTACGCGGGAAGAGAAAATCACTTGGTTTATAGAAG
GCCTTTAACATTTTGTGAGTATGTGTTTTAAACCAAAACCCATAGATAGGAAGAGCCGAC
AGGGAGCTGGAACTGCAATAAGCTTCTTCTAACTAGCAAACGCAGTTGACAGACATCT
TTTTATAGACGTATCTGTGATTGCACGCTGTTTTAGGCTTGATAATTTTTCAACAAGG
AAAAACTTTTCTTCAATTTGAAAAAGCTGTTTACAGTAAATGGCAAAGTATGAGAAGAC
AGAAAGCCATCCTGCTCATTCTAAAGCTAAATTGGCCACATTTCCCTTAAAGTATAGAC
AACAGCAGCAGTGGAACACAAGTTAAATGTGTGTTTAGTGAAAGAAAAGTTTTGAATAC
TGCCGNCACAATAATTTTTNAACTTGAATTCTTTTATTGAGAAAAGTGACCAATCA
NTGGAGAGANGGGAAAGGGAAAAGA

Sequence 1649

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACAGACGGTCAGAAGGAAAGAAGGAGAGGGATT

Table 2

GCCTGCTGCCTCCCCGCGTGCACACACGAGAGTGGGTGCTCCCACCAGCTTTCAGGGGGC
TTTCTTCACGAATGTGAGCACTGATTTTGGGAGATCTGCAGTGGAAGTCAAGTCATGAA
TATTTTTTATAAAGAGAGAAATGATGTAATTTTATCACAGAAGATATTCAGATGTATTT
TTCCATTTTAAAAATTCATTGGCAGTGCTCATACAAGAGAATTACTTGAGCTGAAAATGA
CTCTGTCCAGTTTCTTCCTATTTTCGTTAATGATTTTGCAGTCACTGAATCTTTCTAAAA
GTTGTATAACCCAGATAAAGTCAGGCCTCCTGGAAGCCAGCTTCAGCCCAGAGACATACG
AAAAGAAGCACCAAATNTCACTGGAAAACCAATTTAAATTTATACTGAATAATCTCATTC
ATAAACCACAGCACAACATTCTGAAGCCTGNCCCTTCCAAAATCTATAAGCTCTCTGCCA
CTCTGATGACTTTTCATTCTGNCTCTTTTTCTACCCCAAAAAATCTCTCAACTCTCTTC
AATCTTTCTGCAAAAACTTTTNCCTTNTCTGGCTTAANNCTAACTNTTGGGCTTTTCAAGT
GCCCCNCTGTATTNTATTTCTNTTGNCCCTCAATTTAANCNTTTGCTTNTTTTCCCGA
TTGTCAATTCCANAACCGGCCNCAATTTTTTCCCACTTAACCTTCTTTAACCCCT

Sequence 1650

CCCTTAGCGTGGTCGCGGCCGAGGTACACTCTCTGCCTTAGAACTACCATCTTTTGCCT
ACATTCAGATAAAGGATTTTGTACTACATTCTAGGTAAAGGATATTGTTACTATCCTC
AAGTTACACAGAAAACTCAAGGATGTAAATCAATATTTATCTCAAATTTGTTGACTG
CTACTGCTATCTTTTTGAAGAATTAAGATAAATTAATTTCTAAAAATATGCCATA
TATCAATAATTTACAATAGCTTGATCAGCCAAAAATCCACCTTGAGCTTAAAGCTAGAG
TTTGATAGGGTGATCCTTACTCTCCTAATTTAAATATCACTGTATATTAAGTTTTACAAT
ATACAGTGATATTGTGTATATTGNGTATACAATATACAGTGGATATCTTTTTCCAAAC
ACACTTTATTAATAATTACAAATCACAGGGAAGTAACTGCACAACCTTCTACTAGGGTGT
TTATTAAGTTACTGGAAAAAGTTAATTACAAAAACGTATAGGTCCCTAGATTTTGAAT
GGTAAACCACACATACCTTGTTAGCTGGCTAAAAGAATATATTTGGAATATATTTTNGGA
TTTTGCAATGGTTGCCCAAAACTAATGTTAGGGAAGTTACCCTAAAAAAATTAAT

Sequence 1651

CCCTTTGAGCGGCCGCCCGGGCAGGNACTCACAGCTGCATCACACTGAATATCATCTCC
CTGCACTGCCATTTTCAATTTGAGCAGGGCGTTGCCTGTCAAGAACATTCATATCTTTTGT
AAACAGTGCAATTTTTCCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAG
GGACAGGGACTTTCAGGACCTCCTGCTTGTGGTCCACCAAANGGAATCACCATTCAAAAC
TTTCTTCAGCAAGGGTGTTATGGGNCCTTTCTCANGTTTTGCCCTANCGATCCCATTTGA
GGGCAAAAANGGTTTNCNTTCTTNTNCAANTACAACCCCTTCTGCTTTTTANNCCAA
GGGGGGGAAC

Sequence 1652

CCCTTTGAGCGGCCGCCCGGGCAGGTACACCACTATCGCTGGCTAATTTTTGTATTTT
TCCAGAGACGAGGTCTCACTGTCTCACTGAGCTCAGGCTGGTCTCAAATTCCTGAGCTCA
AGAGATTTACCAGTCTCAGCCTTCCAAAGTGCTAGGATTACAGGCATGAGACACTGTGCC
TGGCCAGTAATTTTGTATTTATTAAGGTGAGGTTTATACCACCTTCTTCTGATTAC
AGAAGTAATACATGCTCATTATGTAACACTGAAAATGTAAGCAGTATAAAAAGAAAATA
AAAAAGAATATGAAAATCACTAGTGGTCCCATTGTCTACTGATACACTATGTGCTGCTTC
CTAATCTTTAC

Sequence 1653

CCCTTAGCGTGGTCGCGGCCGAGGTACTGATGGCAAGGTTACTCAAATATTTATCAAGCG
TCTCAAAGAAGAAGACTGATATAACCTTGCATGTTTGAATACAAAAATTAATTTAGTT
ACTGTCCACTCTCTTATTTCCAGGTAGAGGGACTCTCTGACCCTCACTCACTCCTCTCCT
AATCAGACTGGTTGGTTTTAGAGAAGGAAATGAACATGCCTAGATCAACCCCTTCTCTC
CCTTTTTCTTGGGATCTGCACACTCCGCAGAGAGCACGAATTCCTCTCCACCCAGAT
CCATAAATGTTCAAGGATCTGCTCCCTGCTGGAAATGCCACAGTTGGGTGGGGGTATATT
GATTCGGGGGCTACTGGCAAGTCCACAGTTTCCCAACAATTAACACTTTTCTCAAACA
ANACTGCCATTTTCTAATCTCTGGCTTGTCAATCTTGTGGGGGAGGGAAAAAGTGAAAG

Table 2

TGCAACCTAATGAAGTCTTTTTAAAA

Sequence 1654

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAAGAGATTAAGGAAAAAATGCAGGCTGTGAA
TGATGGGGCCCCTGTGTTCTTTCCCACTTGGCTCTCACAGTCATGGCAAAGGCCTTTT
ATNCTTCAGTTTAAAACTCAAACTTTCTTTGGAAAGCTTGACTTATTCTAAAGATATCG
CAGGACTTAACCCAACAAACAGCCAGGCCGTTGCAGGCCCAATCGTGATGCCAGCGTGCT
CCACCCTATTAAAAATAAGCAGATCAGCNTATNTCNGAGAAAAANCCTTTAACATG

Sequence 1655

CCCTTAGCGTGGTCGCGGCCGAGGTACACTGGAGGTAGGGAGCTCANGGATGGCAGCTCA
NATCCGGAACAATTACAATTCAATACTTGGGCATCAGCACTCTAAATCCCGAGGAGCTAG
CCAGGAGTGAAGTGAGGAAAGAGCAAATCAATTTAAACATTGCTAAATACCAAAGACAAG
CTAGCTATTTCTTACTTTGCATGAGGCTTGCCACGTCCTTTCTTGAAATTGTCTGGAC
CATCTCTGGTCATT

Sequence 1656

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTAAACAACCTCTCCAACATAATATCAAA
AANGTAAAGTATTCTCTTACCTTGCATATCTACATCAAAGAAAACCATAAGGAAAAGAAA
CTACAGATGTGCACGCAGTTAGTCCAAGATGCTTAANAATGTCACATCATGTTNAACCTG
AGTCAACCTAACAGTANGGCTGTAAAAACAACCTCTACTTCCTGATTTGTTACTGCATTCA
GCTAATGTATTGAGGGCCTATAATGACTCAGATCCTAAAAATATNAGGAATAANGAAGCA
AAGAACCCTTNCCTAAGCTAGNNCAGGAGACCTATCAGTAAAGACATGACTGTAACACAG
NATGGATNTNGTTNACTGGTNTTAGGTANCAACAANGGGTTTTNAAAGAAAGGNTTATCG
GTTTCCANATAAAAAATTTGATTTTTAAATNTTCCCATGTTTATTTTTAAAAAAA

Sequence 1657

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
TCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGT
CTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTGCTTTCACTGAGC
ATCCTATGAAATACACCANGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATG
TCTAAGCTTGTTCAGCTTATCCAGAAATGCCACAAAGAATTCAACTGGATCTTGGAAG
AGGAAAA

Sequence 1658

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTGTTAAAGTCTAGAATGGTGGTAGGTGCCT
ACATATATTATTTAATTCTTATAACAATGCCAAAAAGGGTCATTCCAGTTTCTTGAAAG
AAAACCAAGGTTTGGAGTAGTTAGATAAGTTACCAAGGTCCGAAGCACAAATCCAGCCC
ACTTCTGCCAGACTCTAGTCTTTCTATTATATTAATATCAGTATTTTATTCCATTTATTA
ATTCCAAATATTAACACAAAGATTCTCAACACCATGGATTTTATCTGACAAATCTAGAT
ATTTTAGAGCTCATAGTATTCAAATAAAATAAAGTTTAAAGTCTTGGAAGACGGTCCTG
GATTCATTTGGCAGTTTTTGGGTAAAAATGAGAGAAAATTATCAGGAATTCATAAGAGAT
AGTAGACTGGTTATTCATTATGAGTGTGGCATTGAGGTTTAAAA

Sequence 1659

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTCGTCTTCAGATGGAGCTTGTGTTGT
GAGCTCTGGAGAGGGGGTGTCTTTCTACACTGCATCTCCCATCCTTCTTAACGAGTCAC
GGAGCTGTGCACTCCGCCTTCTTGGCTTTAGTTAACAGGTTCTTCTTGTGTAGTCACATC
AACGTCGGGTACATGGGAATGTGGTAAAGCCTCATTACTGTAGAGTTCAGACATGATCA
CTTAAAAAGAGCTTTATTGGGCCGGCCGGGTGGCTTACTCCTATAATCCAGCACTTT
GGGGGGCCGAGGCAGGCAAGATCACCTGAGGTGAGGAGTTCGAGACCAGCCTGNCTANAC

Table 2

ATGGCAAAACCCTATCTCTTCTAAAAATACAAAAATAAGCCAAGGGCGT
Sequence 1660
CCCTTAGCGTGGTCGCGGCCGAGGTACCTGTAAATCTCTCAGCTAAGTTAAGCTATAAAT
TTGATTAGGTTGACTTGGGCAAATGCACCATAAAGTCCTTTCCAGAGAAGGAGTTCACCT
TTCATAGGTTCTACTTGAAGGAATTGTCCAAGAAGGTTTACTGTATAAAGGAAATTGAAC
ACAGAAGGAATGAAAAGTAAAAATTAACCTAAAAATTTGCAGAAGAAAACACTACAGAAA
ATTTTGTGACCTGGGGTTTGGCAAAGATTTCTTAAATATGACACCAGAAGCACAGCTA
TAATGAACCGTATTAGTTTATTGGGTAAATCAAAATGTAAACTTCTGCTCTTCAAAANA
CAGNATTAAGAGAATAAAAAGAGAAACCACAGATTGATAATCTTTTGAAGCCATGTNTC
TGATCAAGGACATGTANAAATATATAAAGAACTCTGGAAAGCTCAATAGTAAGAAAAA
Sequence 1661
CCCTTAGCGTGGTCGCGGCCGAGGTACTATTTTTTTCAGTTGTAAAAAGTAAAAGAGCTA
GGTTTTATGAACAGGATGGGAAGCCAGTTATATTCCAGTTATATTGATTCTGGTTTTA
ATAAACTAAAGAGAAAAGTGCTTTTTAGGCCAAAATCCTGAGATTTCTAATAACAGACTG
TTTTTTTCATCATCTTATTAAATAACCTATTGCACACTGATTACATTTATTCTTACTATT
TTCTTTATTTTTTCCCTGGATCATTTTCACAATTTATTTTTCACAGCATTTCTCAATACTT
TTCTTCATGTTTCATTAATGTTCTGTATATAGTCCGAATTCGTAGCAACCTCTTTAGAA
GCTCTTTATTATACCTAGCTGAAATATAAAAAATATGTAAGTGTAAGAACTACTCGA
Sequence 1662
CCCTTCGAGCGGCCGCCCGGGCAGGTACTGGGGAATAATCGTGGAATTTTGAGACAA
ACAAATCCACGTNTAAATCCTCACTTGTACTTACTTACTAATATTCTACCCAGGGCAG
GTTACTTAATGTCTCTGAGACTGAATTTTTCTTCATTTAAATGGATAAATNACTCTTTG
TCTTAAAGCTTGTTTTGAGATAAATAACTTTNGATGGTATGTAGGTGTGTTTCAACAAG
AGTAACAGTAGTTTTCATTTTTTAAGT
Sequence 1663
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACGAAGTGTGTTTCAGAGTGCGGAGGAAGGGCAA
GTTGTTAAGATTGGTTGTTGAATTAGTTTCTGTTTGATGTTAAAGAGAACATAGAGTAA
TGATAATCCCTCGAAAGTGAGATCTTGGCAGGCTGGCGCCTGGTGGTATAGTAGAAATC
TGAGAAAGGGGGAGGATATTAAGTCAGTTTTATCAGGTAAAGTTGAATGAAATAATCAAG
TTTAAGTGCGTCTTGGGTATTTGCAAAGATGTATAGATTAAGGCTAAAAGGGTTGGAGAA
ATAGATTTGGGAGTTACCTATGATTTTTTTGGTTATTCTGCTCTCAGGATTGAAACTA
AAGAATCTCAGAACTGCATTTCTAATTAGTGCCCATAAAATTCCTTATTGATGCCAAGTT
TTTGGTTTTT
Sequence 1664
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTAATACACCATCCTGGTGGATCTGGCGC
AAGGGAACCTCCACACAGAAAAACACTGCCCTCACGTTATGAAAGGATTCAACATTATTCT
CTCTTTTGAAAGATAATTGGCTTCAAAGAATAATTGAAAGTTAGAACTTGGGTCTTTTA
CAGAACCAGGTAATATCTCTACTACTCTTTTGGGAATTAGTCTTGAAGTGCAGCCACTGT
GAAAGCTTCTGGTGTATTAAATTAATTCTTGTATTGNTATTAACTTTCCACATGGTT
TTGTTTATCTCCTCAACTAGGGTTTGTGTTCTGAGAGGCAAGAACTATGCTTATATATT
TTTAAAAAATATTTTCAACATTATTTAGCACTCTTATTAAATATTTATTANGCCCTCAAT
AAACATACTGTAATTTTGGTTAAAAAGCACCTAAATTGCTTTAAATCCA
Sequence 1665
CCCTTAGCGTGGTCGCGGCCGAGGTACCTGCAAGGCACTGAGGTGGGAGGGAGCATGCC
AATGTAGGGAAATGAAGAAACCCAGTGTGTATGAGCCAAGCTGAATAAAACATGAGAAGA
AGCTGGAGAATGAGAGAGACCAGTCCCCAAGCTCTCAAGGAGCAAGAGGAAGCCTTTTCG
GCATTTGAAGTGGAGGGATGGCATGATCTCGTGCCGTAGTTTTTAAAGAACCCTCAGG
CTACTCTTTTGAAGAATATTGTGGGGAGGCCAGAGTAGATGCCTATAGGACTTATACAGA
AGGTTAAAGGCAGTTGATAAAGAGTATTAACAATGA

Table 2

Sequence 1666

CCCTTAGCGTGGTCGCGGCCGAGGTACACTGAGCCTAGAATATCTTGTGGGGTCAAAAGG
TAAGGCAGTGCTCAAAAAACAACAGTAAATGGCAAAATACATAGAACCCAACTTGAAG
GGCATCCTAATGTAAATCTAGAAAAATCTGAGCACAAATGTATTATAGTCATGGGTTA
TAACCAATATAATGAGAATCCAAGAGTCCAGACTGATTTTAAAAAATTGCATTTTTCA
ATATAAAGAAAAATATCTTCCTTATAGTAACATTTAATTGACAAATGTAGAAGTAATGA
TGGAAAGTANGAAAACTACTGGTTNGGCACACACTGGNGTNATAACTGGTTTTTCAGGCAA
GAAATTATCCACNAATGCCTAAAATTANGTTTGGGTGGAAAAAGTNTNGATTGAANGAAC
CAAAGGATTCCTTTANCATTNAGGGNCCAAAANGCATTCTTCCTTGACCAAAGNATACCT
TTNNTTTCATTTTCCCCCANGGAAAAA

Sequence 1667

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGAAGAGAAAACTACTTGGTTTATAGAAGG
CCTTTAACATTTTGTGAGTATGTGTTTAAACCAAAACCCATAGATAGGAAGAGCCGACA
GGGAGCTGGAACTGCAATAAGCTTCTTCTAACTAGCAAACGCAGTTGACAGACATCTT
TTTATAGACGTATCTGTGATTGCACGCTGTTTTAGGCTTGATAATTTTTCAACAAGGA
AAAATTTTCTTCAATTTGAAAAAGCTGTTTACAGTAAATGGCAAAGTATGAGAAGACA
GAAAGCCATCCTGCTCATTCTAAAGCTAAATTGGGCCACATTTCCCTTAAAGTATAGACA
ACCAGCAGCAGTTGGAACACAGTTAAGTTGTGTGTTAGTGGAAAGAAAGGNTTTTTGAA
TACTGCCGCCCAANAATTTTTCAAACCTTTGAATTCNTTTATTGGAGAAAGGGACCA
ATCAATTGANAAAGAGGGGAAAAGGGGAAAAANNAATAAATTGAATTTGGCAAAA
TTTTCTTTNAACCAACCTNNGGATTTNCNNGAAGTTNAAAAGAAATGAATTTT

Sequence 1668

CCCTTAGCGTGGTCGCGGCCGAGGACTATGAATTTTAAATTTATTTGCTTAGACAGAATA
TGTGGACATACAAATGATGAATGTGATAATTGTCATACATATATTTATCTTAGACACT
TANTCAAACATGTGGTTTTTGGTTATGAGTTANACACTGTCACTTTACCTGGAAGATAC
AAAGTAATTGGGTCATAGACCTCTCAAATNATTGGAACACTTANATTTTTTCAGGGGGAA
TGACATGGAAGGGGAGGCCAGGGNGTCTTATGATTAAGGTAAAA

Sequence 1669

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTAGACCCTATCCCTGCAAGGACTGAGCTGTA
TTTCAACAATCAGAGATTAGAATAAGATGGCACCAATGCCCAGCAGAAGATGGTCACAGA
TGAGATGAGCAGCAAATAACATTTGTGGACTGACTTTATCAGAACTCAACAGAACTGGC
CCTTTGGCCTGCAAAGGTCAAGATATCAGGTGAAAAATATATGGGTAATGAGTAAATATC
ATATCTAGGCATC

Sequence 1670

CCCTTAGCGTGGTCGCGGCCGAGGTACACTCTGGACTCCCCAGCTCAAGGTGACTCCGAT
AATATAACGCATGTGTGGAATGAGGATGATGGACAGACCTTATCTCCAAGCAGTCTGGCT
GCACAGCTCCTAATTCTGGAAAACTTTGAAGATGCCCTCTTAAATATATCAGCAAATAGT
CCTTATATTCTTACTTGGCATGTGTGAGAAATGTGACTGACAGTTTGGCCAGAGGTTCA
CCAGAAAATCTAAGACTCCTGCAGTCCACAATACGATTTAAAAAATCTTTCTTCACAAT
GGTTCCTATGAAGATTACTTCTCCTCCAGTTCTTGAAGTCTTAAATCAAACTGTCTCAA
CTTCGAAACTTGACCGAATCTTTGTGAATCTGAACTT

Sequence 1671

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAACAGCTTTTCAGCAGATGTTAGCATTAC
ATATGAGAAAGTTGCAGCAGTGTGCACATTGTGCTTCTGCCCTAGATCCTTATGTAAATA
GGACGTCCGTGACTTGATGTTGAAATGACCTTTCAGGCAGTATTCTGTTGCCACATGCCT
GAGCTTGTATCCCAGAGTAATTAGACGTTTTGACTTACACATCTTGGTATACAGTGTTA
TGCTAATTATAAATGTCTGAAAGTTTCTGAAACTTTTTCTTTGTAGCTTTTTATCAAAG
ACAGACAGGAGGTTGGGAGGAGGTTGTGGATTGTGGTCTAAGCCTTTGATTTTCAAGT
CTCTCATTTTTTGGGAATGAAAAATTAATAATCTGCTTTTCCAGTTGCCCGAANACATGG

Table 2

GNNGGGATATTTTTATTATTTCTTTCNATCTTNGAACAAAAAAAAGTNTTTGGGAAA
TCACCAGCAATTTTTAAATAACCTTTTTTAAAAANTAAATATTTTTAATTTCTTTAAA
GGGGCATTTTTAGNCTTAAAAAATTTTAAAGGANTTGGNGGAAGTNCCCCCTTAAAT

Sequence 1672

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTAGTGGCTTTAGTTTAAAAGATATGCTTCA
TTACTTCATGCCAAATAGTCAATAAAAGGTTTGTAATTCACATCAAAGTGGTAAAGTCC
TTCTTAAAATTGTTTTTAAAGCAAAAGATCCCAAAATACCAGTTGTCACCATTTTAAAA
GGATATTTTAAAAGATTTCTTTTATGGNTATTCAAGTAAGAAAAATGAAAAAGNCAGAAA
TTTTACTTCTC

Sequence 1673

CCCTTTTCGAGCGGCCGCCGGGCGGCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGGCTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCTGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGA

Sequence 1674

CCCTTNNNGCGGCCGCCGGGCGGCGAGGTACCTGGGTGATGGCCATACTGCGTGCCGCCATA
AGCTCAAGCCATGTGCCNGAGGCTGTGCATTTAGGGAAGAGAAAGAATGTTCACTCCCAA
AAGAACTGATTCAGGCNTGAACAAGAACCATTGCACATCCTCAGGAGGTTCTAGCAAACC
TTGCACATCCATGTTCTTGCACTTATACATACATAAACAGGAGTGAGGAATGCCTTTCCC
ANNAGCANCAGCAAGAAAGTTTCAACTNNGCAAACCGACCCANGGANGAATTTTTTCAGG
CTTCATCCNTTTTACCAGNAAAAATNGTAAACCTTCCCATTG

Sequence 1675

CCCTTCGAGCGGCCGCCGGGCGGCGAGGTACTCAAGGCCACAAGACAGGCCGCCATAGAAGCTT
TGGCCTTGGGGAATGAACCAAGCTAGTTTGGAGAGTAGGGTGATTGGGGTGATCACTTT
TCCCTTTAAAGGTGGCATGCTGCAAGAAGAAAGGCTTTGAAGAGTGATGGGTAGTCACTA
ACCATGGCACTATNCTATNTNTAACCAACGTGATGGGGTCTGGAATGATCCTAGGTCT
GCACTAGAAGAGGTNGACCCAGAGGACCTTGTCTAACATACCCCTTGCTTCTTGACTTCT
TCCCATACCTNGCGTTTCTCTCCGGCCTCAATTACTGGNCTTGAGATGTTACACCCCTTN
CAAGCATTAAATGATGAACCCGCTTCATGGTGCCTGTAAAAGGCCCTNTTTGCAAAAGC
ACCCTGCAGNNGGTATTGGTTTNGNGTTTTCCTTCNACTTTCACCTNTAAAAAAAATG
AAANAGGNNTTNAAGGGGNAAAAAANTGAATTTTNGGGCCNTGGGACTTTTTTAACTTTG
GNTTTTTGAAAANACTTGCAATTTGGCCTTTTTAACTTTNGGGGNTTTGTTNAGNCAAN
CCCAAAAANAANGAAGCTTTTTNATTNNAAAAGGGGCNCCANAAAAAACAATAAAANCT
TGNCCTNNGTNTNTTTTAACTNATTAAACCCAATTGAAGGGNGTTTTNNGNAAAAACNAA
AAAATGGCCAAANTTTTTAAAAAANAATNGCCNTTTTCTTTGGGGGGG

Sequence 1676

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCCTCCTTCGCTACCAACTTCCTGGNCACAG
CCACCATCATCTNCCCGCCAAGCTTCCTAACAGGACTCCCTGCTCCTTCTTACCCAC
CCGTGGTCTATTCTCAACACGGTAGCAAAAGAGAAGCTTCTTAAAGTATAGCAGATCAA
CACCTCCACCTCTCGCACCAGAACTGTGTGAAAGTTGATTATACAAATGGGTCAGGGTG
TANCGCAAGGTGTGAAAGTTCATGATGTGGAATGGGTCATTCTTGCATACCCCAAAGT
AATCACTCTGAGGGCCTGGAGG

Sequence 1677

CCCTTAGCGTGGTCGCGGCCGAGGTACATTTGGGGACAAAATGTTTTGTGGAGATAATG
TAGACTTAAATTTTAAATCCGTAGCTGTATTTTCGTCACAATGAAAATTTGATGTCCTT
AGTAAGCCCCGAATAGAAAGCCTTGACTTGCTTTTTGAGCATAGTTAACAGTGTGAGAT
AAGAGAGGTTTGCTGGCAGTTGCACT

Sequence 1678

Table 2

CCCTTAGCGTGGTCGCGGCCGAGGTACACAGCAGCAAACAGTTCAGATTGTTGATGCTTT
TGATGACCATTAAATGCAAAAGGATTATGGATTATGGCACTGTATTATGAATAGACAAAA
GATTAGTGAAAAGTTGTTTAGCCTAGTAGACATTTTGACGCTTCTGCGTGAAATTGAAA
GATAAACAGAGAACCATTGAAAGTTCATGTATCAATTAATAGGTCAAGTAAAAATGTAT
CTAAAATTCAACAAGAAGAGATTGTTTTCTATTTTCAGTTTTCAAATGCAAGGTAGTGAAC
CCGAAATCAAATCAACAAAAATAATGGTCCCAAGGACTCTTATTATAAGTATACAAATGT
TGTAACCTCCAGGAAATGAAAATNTAATGGGTNTAAATGAGAAGAACTNTTAAAAACAA
GCCATCCCAACTACCAATAAAGCCTAATTCTACTGACAGGTANCTCCACATAATAACC
TAGAACCAATTTTTTAAATAAAAACTCAAGGCCTTTTAGCTGACCAAAAAAT
TNTTGAATGGAAAGACCCCTTAGGAAAGTAAAAAAATNTACCTTAAATATNATTT
TNCCAAAGCCATTATTAAGTAATTTTTTTAAACCTTTATTGAATGNNGGGGAGCCCTG
CTCCATTTGGTTTAAAGAATTTAATTAAGGAGGGTTTTTCAGNAAAAACCTTTTNTCT
TAAAAAAATCCNTAAATTTTTTAAATCCNTTTTTT

Sequence 1679

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCAGCTATCAAAGGAGAATAGCCTTTAAACA
CCAGGATCCTGGTCGAGATGGTAGAGGTGGTCTGTTTGAATTTGGGTGAATAGAGGAAAT
GCCAGTTAAGGGATAGCCATTCTACAGACAAAAATGCAGCCGTCTATACTTTTACTCCGT
GGTAATACATTATTTGATTTCTTCTTAAAGCCTCTTGTCTGTTTGTCTTAGGTATT
TGTCTTATGTATTTGNCACCTACATAAAATATGCTCACTAAACGCCACTGACTTTAAGG
AATTTAAGTATGATTATATGTGTCCTGTAGAAAAACCATCTTTAAGTGTAAAAAA
GAAGTTTTTTTAAAGCTAAATTAGGAAACAAAAAAGATCTGGAAACTCTGGAATG
TATACCCTATAGAAATGG

Sequence 1680

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACCATTCTCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCTCTGAGCGCTGTCTATCNGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATG
TCCC

Sequence 1681

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGGATTATAGTTAGAATTTACGGACTGGGT
AGGAAGACTGGATAGAAATCTAAAGATTGCTGATTCAAACACAATGTGGTTTCTTGTCT
TATTGTACAGCTCTGAATTCACAATTATTAGTTAAATTCATAGGCACTATAACTTTAGA
AAGCACCTTCCCAAACCAAGTATTAAGTGATTATTATAATTTCTCTGACTTCTTATAGA
ATTGACTTTCCAAGTGTTTCATGAGAATTATTGAGAAATTGCTACATAGTATCATCTCAGC
TCTGTCCACATGAGCTATCTGTACCTTGTCTTAATGAATAATTGTTCAAGTAGGAATATT
GGTTTTG

Sequence 1682

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAGNGCTTTAACTGAGTTGGGATTTTTTTTAA
ATGTTATANCATTTAATAGGAAAAATCATTTGAAGATCATTTATCTTTGNATAACTGGA
ATTGAAAATGTCAACTAATTATACAGTGTTTTTCCCATAAAAACACAATTTAGTGCCAGG
AGAAAAAGAACTATTTCTTCAGATAACTTTATATGTGTCCTTTTTTTCCATTAAAAAT
TAAATAGCCCCAAAGTATGTTCTTTTGGCCTTAA

Sequence 1683

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTAACATCAATAAGTCGAGAAAATTATATTAA
CTGAAAGAAAAACAAATAATAGAGAATTTTATTAAACGTATTTCTAATGTTTCTCTTCAT
GTTTGGAGAAAAGCTGCCACATAATTAACAATTTCTTACCCTGTAAAAGTATTGTCTT
CCAATCTCAGGAGGTTTACATTAAACAGGAATATAGAATAAGAAACAGGCCTATGGCCGGG
CTCCGTGGCTCACGCCTGTAATCCCAACACTTTGGGATGCCGAGGCGGACGGATCACGAG

Table 2

GTCAGGAAAT

Sequence 1684

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCCCAGCAAAAACCAAATGCCAGACACATTT
TATATAAGAATGAACAATTAATCTGAATAATAAAAAATAAGGCTTATTTATAAAGGTTAAG
TTGAATAGTATATACATGCACATATATGCAAATATATATAATTCAGATATTTTATCTTTC
TTAATGCTTACATGACTCTAAACTCTCACAATTTTAAATTTAAACATAAATATGACATAA
TTGTAAATTTTTCAGCTTTATACATCAGCATTTTACCATCATGAGAAAAGATATCTTTT
TCTTCTTTTAAATTTCCCAA

Sequence 1685

CCCTTTCGAGCGGCCGCCCGGGCAGGTACATGATAATTTTCTAGTCTAGAGCTGGATGA
GAACCTGCTCCGTTCTGCTACCTTGTCAAACCCACCTACACCCCTGGCAGGGCAGATCCA
GGGGCAGTTCTCTGCCCCAGCCAACGTTGGCCTTACTTCTGCCACTCTGATCAGCCAGAG
TGCCTTGGGGAGAGAGCCTTCCCAGGACAGTTTCATGGACTTCATGACGGCAGCCATGC
CTCCCAGAGGCCACATCCTGCCCAGCTGCTGA

Sequence 1686

CCCTTAGCGTGGTCGCGGCCGAGGTACAAGTTGCACTGTCTGAGGAGGTGCCCTTCAAGC
TAGCACATCAATACTAAAAAGAAAAGCATGCCGAGAGCTGGCAGAAAGAAGGCTTCAGGC
AGAAAGAACAACAGCAAAAGTCCTAAGACTGGAAGGCTGAGTTGTTCAAGAAACAGA
AAGGAAACCATTGTGGCTGGACCCGAGGTAAGAAGCAATGAGGGAAAGGTGGGAAAAGAG
CAAGGAGGGCCCGAGGTGATGGGATGGAGTTAGGCTGTTAAGTGCTTTGAGAGCCTAACA
TCCTAACTCATTGGGAGGTTTTAGCAAGGGTAGGAACATGGT

Sequence 1687

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGGCTTTGATGTAGGACCGTCTACGTCATGA
GTGAAGAGCGGTAAAGTGCCAGGGTGTCTGGTGGACAGAGTGAATAAGAACATGGTATAA
GATGAGGTTATGACTATATTGTGTAGAACCTTATAAGCCACTTTAATGATTTTGGGTTTT
GTTCTAGACGGGAAACCATTGGAAGGCCTTGAGAAGAGAAGTGATGTGATAGGACCTACT
CTATCTTCTATGCAGTGCATAGACTTGGGGCCAAGGGTAGATTGAGAAAGACTAGTTTAG
AGACTGTTATA

Sequence 1688

CCCTTCGGCCGCCCGGGCAGGTACGCGGGGGACACATTGAGAGGTGAGCCCAGAGCGGGT
AAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCCGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAATGTCATGTTCAATTTTACATTGCTGCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTA
CATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTGGCATGGCCT
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TGGACTGNCAGACAGGACCATGGCCAGACCACAAATACCTTTTNGTGTGTGAGCCCCCGG
GACATGTGAAGCTTTCCCGCTGATGCTTCCTTCTTATATCAAAGATCACTTTTCAAAAG
ATGAAGCCGACTTAATTTTTTTTTTCAAANCCAATGGATCCCTTGCCAAGCTTTTGGNA
TANTTTTTCCAGCTTTGTTAAANCTNTNTNNGGCATTGAANAATGGGGGGACTTATAAA
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GGGGGACTNAAGGTTTAAAGGAAAAGTTNTTTTACCTTTCTTTCCACCGNNGGGGTAC
CTGGGTTTCNCTTTTTTAGAGGNTTTTACCCTNTTTGGCCTTNCAANAAAGGCCTGAAAA
AAATTTTNAANNNGCTTTAAAAANGNCCCTGGGATTTTTTAAAGGAACTTTTTTTAAAAA
AAAAAA

Sequence 1689

AGCGGCCGCCNNGCNGGNACGCGGGACCTANCTCGGGACCGGCCTGGAGATGGAGTTCCG
ACTGCGAGGGCCTGAGACGGCTGCTTGGCAAGTTTTTAAAGATAGTTCTCAGAAAACCT
GCTGAATTTTACTGGCACAATTCCTGTGATGTATCANGGTAATACATATAACATACCAAT

Table 2

TCCGTTTCTGGATTTTGGATTCTCACCCTTTGCTCCCCCTATTTGCTTCTTGAAGCCAA
CTGCAAATATGGGAATCTTACTCGGAAAACATGTGGATGCTCAAGGCAGAATATATTTTG
CCCTATCTCCA

Sequence 1690

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGAAGGCAGGTTGGGTCTAGAAAGCCCTGA
CAGTCTAAGAAGGTCCTGAGTTCAGGATACTGAATAGTGTTACTTCACACTCTAGTCAAG
TGATTCTGAGACCTTAGCATGCATCAGAGGGCTGGTAAAACAGATTGTTGTCTCCACCTC
AAGTATGTGATTGAGTAGATTTGGGGTGGAAATTGGAATTGTGGATTTTAAACATTCTTA
GGTGATGCTGATGTTGTTTGTGGTCCAGGGAGCTCACGTTGAAGACTGCTGCCCTGGGCA
ATTGGGATCCATGGAATGTTTGGAAAGTAAAAGAATAAAATTATCATGACTGTGTCTAAAA
AAGATGACATTTAGCAGANTGATGGATATATTGGGAGAGGAAAGGGCCTAAGGATGGTNA
GGCCAGTTAGAACTTTGAGTANTCCATGTGTGANGTAATCANAGAATGAACCNNTTGATTG
GAGGTGGGAA

Sequence 1691

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGACATTGAGAGGTGAGCCAGAGGGGGT
AAAGTGGACTGGGGAGGACTTCGGAGGATGTTGATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAAATGTCATGTTCAATTTTACATTGAGTGCCTGGAATCTTTTCTTCAAAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATCTAC
ATAAGAAGCAAAGACCACAGACTCAAAGACGGACATAATTGGATTTTTTTTGGCATGGCC
TGGAAG

Sequence 1692

CCCTTAGCGTGGTTCGCGGCCGAGGGACTNNNNNTNTNTNTNTNTNNNTAGCGGGT
NNNTTTTTCTNTTNANAACTTTTTNANGATNTTNATNTCCATNANCATNCNCACGCCCT
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AAATGAAATGTGCTGAANGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATA
CTACATAAGAAGCAAGACCACAGACTCAAGACNGACATAATTGGATTTTTTTTGGCATGG
CCTGNAAGAAAGGNACACACAGTTAACCACAAAACAGGGCCTNTCTGAAAAAGCCATT
GCCAT

Sequence 1693

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTCCATCAAGTCGAGGGAGTAACGCAAACCTA
GAATAGTAGCCATCTATTAAGGATAGTTCGAGGTTTGGAAATTGTAAGTATTTTTAGG
AGCTACGACATGAATATCATATCAGGTAGAAATACTCAGAGTGATCACCTTTTATGAAAG
TTAGTTCTATCTTTTCTAGTCTAGGAAAAATAACAGTGAATGTTTGCTTTTTGTATGTTT
TGTCTCCAAGCAGAGGAAACTGACAGTTTATGTTTTAAGTGCCGAAAGTTGTTTTGGC
TAGGCAGTTCAGAGTTAATCACTGGGATGTTAAGTTGAATTTTTGTCTTTAAAGTGT
TAGATTTTTAAACGAAATATACTTCCATTATTTCCAAACTGACACCATGTGTTCTGGAT
TANTTTTANAGAAATGTTTTCCAAATTCTCTGGATTACTTGAAGTCATTGATTTTGAAA
TATTTAGTTTAGTTTTT

Sequence 1694

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGTTTTAGTGACCTTCAACATAAATTATAC
CATTTGAACTCACAACCACTTCAGACCTAGGAAGGGCTGGGCCAATTATCCTCCCTCTAC
AGATGAGGAAACTAAGGGCTGGAAGATGATATGTTTTACCTTTTGTAGACAGTCAGAAT
TAAATCTAGGTATTGTGACTCCATGTCTACAGGACTCTTCTCAGCTGTTGAGAATGAAT
ATCAGGATTTCTTTTCTGTAAGTAAAGTCCACTCTGCTTCTTACCAAAGTGTCTATAT
CTTGCTAAATAAATCAAGTCTCTAGGTAAGAATAGGTGCTATAATTAATTTGGTGCTATT
CATTAGATGCTATTTGATTTCCACAGCCAGAGTCTCAGGACTCGAAAGATTTGATTTTT
CATTTGGACAACATGTTTATGTTTCTTTGAGACAAACATTATAAACACCTTCTGTCAA

Table 2

AGAATTCANGTTGCTGGAGAACTCTGTTTCATAGCCGTTGTTGGGATGCAAGGGGGTGTCT
GGGAAAAGGATGGGGNGTTNCAGATCCCNCCACCAAAAGCNCAANGGGTCATTGGTGTT
TCNCGCCCTTGGANGANGAANGGGANGCATGGGGGAAAAACACANTGGGCNGTGACAGTC
ACAGCAAGCTGAGGCCCCCAGGGCAGNTTTCCAACCTCAAGGGCTTGAANANTNTTGGG
NGGGNTGGAATCTTCAAGNCCCTAAGNGGTGAAAAA

Sequence 1695

CCCTTTGAGCGGCCGCCCGGGCAGGTACTAGTAGTATATTTGAAAAGTGATATTTAATA
AGAAGCCTGTAAAACCCTAAGCTTCTCTCCCTTATTATTTGAAAATTATTTAAGACCTG
TAGCCCCACATTTTGATGTTGTTAGATTATCAACATTGTCTGGGTAATGGTCCTGTTT
TATTTAGGGNGGCCCTTCTGCTTATGGNCTGGGCTACCTCTTAATATACAGTATTAAGA
GTTTTGGTTAACTNTGAACTGCCCGGGTTGATTAGAGTGATTTCCAGGACAGATCGTGTT
TTTGAACCTACATTTTTTATTTCCAATTTTAATGGGANNTGAAAAACATTTATTTTAA
TAATGTTGTTTCTAAGGCCCANGGCACAANTGGGCTTACC GCCNTGGTNAATCNGNAAC
CACCTTTTNGGNGAGGGGCCCGCAGGNGGANCNAAGATTCAACCCNTTGAGGGGTCCTGG
GAGGTTTCCGANGAACCAAGCCCTTAAGCCCAAACCATTTGGGTTGAAACNCCCNNTTC
CTTTTCTCTTAANAAAANTNCCCA

Sequence 1696

CCCTTTGAGCGGCCGCCCGGGCAGGTACATCCTTCTGGGATTCTAAACCTCCCTTCTCC
AAATATGGCCTTGTGTANAGTATAGTCACCAGGAATGATTAACCAACATTNAATCTGAG
CTAAGAGCAAANACAAACAAGTGACTGCCTAANACTGTATCAAGTAAGNGCACAGCACAC
ACAAACACACATGANTTACTTGCTTGCCACTTTGGCCTTAGGAGTATAAAATNCCCAGAT
TTGAGACAAGATNCATTTAAGNTTTNCACCTTTCACACACAACACAATCCTGTTANAGAAA
AGGAATGTGTNGTTCTCCTTTTTGNCCTTCAAAACAAAAGGAATTATTTTAAAAATGA
AAACCCATTTCTACCCCGTTAACAGGNGCTGGGGGATTATCCTNTGGGGACTTTGGTTT
TTTCTTCCCCCNATGCCAAGGGATTACCTNNCTNNGGGGGGGGAG

Sequence 1697

CCCTTTGAGCGGCCGCCCGGGCAGGTACTCAAGCTTTGGCTTTTCTGAACTTTCCTTAT
TTTCAAAATGTCCCCAGCCCCACTTCCACCTGAGACATTACACACCCCATTTCTCT
TCCAGGAAGGCTCTTATGTGCGCTGGGTAAACTTACTCTTCAAGTCTAGTGACCTTTTTC
CAGAAGCTTTCCTGATATCTTTCATTTACCCCACTGCTGACTTATTAATTTCTAGA
ATTTTATACTTTTACACTACATTCTCTGTGTTGTATTCTCTTATTCAGGGTCTGCTATTT
AATTTTAAGTTCTTGAAAATAGAGACAATTTTATTGGTTTTTCATCAGTTTTGGTCCAA
GTNTATATAACATAGATGAAAAATAGATATTTTGGGATTAATATATATTATATAAAATA

Sequence 1698

CCCTTAGCGTGGTCGCGGCCGAGGACTGACTGCTACTGGTAGACCTAGGGTCAGCTTTGA
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AGACCATTCCTTTGTGAGATAGAAACTTCTCCATTTTAATTTTAGTATTTAAGCTTTTC
CTACAGGTCAAGTTGGGAATAATTTTATTTAGGGACTCACAATCTTGAATTTTAGCTAA
ATGCCCTAAGAATAAAATATTATTTAAAAAGTATTAAATGCTGTGATTCCAAACAGTTT
TCTTGTTCAAGGATGAAGNAATNTAAAAATATACCACCCTGTCTCGGCAACTNGGAAAA
AAGCCCCATTTTAATTTTCCATTCCCAAAATGGANGAGACTGGAAAAATNAAAGGGCTT
ANGGACCCACAAATCCCAACCCCTNCCCTNCCAAAANCTNCTGGTCTTGGTCTTTTGG
AT

Sequence 1699

CCCTTTGAGCGGCCGCCCGGGCAGGTACCACTTCTAGATGTGAGATTGTTGGCAAGCA
TTTCGTCTTTGTGAGCTTCAGTTTCTTATCAATACAGTGACGCTAATGCTACCCGGCTT
ACAGGATCATGGTGAAGATTGAGAAGAGGTGACATAGAGCAAGTGCCAGGGGNTGTGTC
TGATGCCAAGGAGGCACATGGTAGGTCAGTTCTCTTCATCCCTTGCCCTTGCCCTAGAAA
AGGCATTTGTTTTAAGTCGCTTGCTGCAATCCATCATCCCCCTTTTCTCCACCTNTACA

Table 2

GGNTNTNTCCCACTATTTCTCCCTAACCTTTTNCCTTGAANGANTTGGGGAAATTTGG
GGTTTC

Sequence 1700

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTATCTTTTCGGGGTTTTCTTATTCCAGAAAC
CTTGTTATTGCCTGTAAATGCAAATGAATTTTGCACCTATTTTGTTTTATTNCTCTTG
TGTTTTAGAAATGTTTTGATGCATCAGAAATGAGAGATCAGTGATTTCAGTTCTCCTG
TCACACCCCTTTTATGATAAAATATTTGGCCATTTCTAAGGAGTAGTTAGAGGGAAATCC
TTTCATAAATCANTTTCACT

Sequence 1701

CCCTTAGCGTGGTCGCGGCCGAGGTACCACACAGACACCTCAGGACCCCAGCAAATCCAA
ACCTGATCTATCCCTTCACTACCAGATAGCCTCCTTCTCTATCCACTTAAAGGCACA
AGTGATTCCCTATTTTCCCTACCAAAGTTGGGACCCCTTCTTAACTAATTCCAGTTTC
TCATCCTCCTAATCTACTTGTTGGAAGATAATTCTGGCATTCTTCAGAAATGGGTAAAA
GAGATTGATAGAATTGTTAAGGATGTTTCCAAAATATTTTGGAAAGAATGTATGTATGT
CTACATTTAAGGCTAATAAGCCGTGAGCCTTTCTACTCTAGACATTNCAGGGTCCTAAAA
AATAATGTCTAAGAGTGACATCAGCAAAAATGGGTGGATTAGGGAAGTGTCCAGGGCCAT
TCCCTTTCCCAAAGCCAAAA

Sequence 1702

CCCTTTGAGCGGCTCGCCCNCGCAGGTACAGAAGAANGAAGGGGGCTGAGTCTTGCATA
CTTCTACTGCCCTTACCTGGTCCCTAGGAGTAGTGTGAGACTGGGACAAGTGATC
TGGGATTACACTGATTAGCATGCTTCACAGGAGGGAAATATAAGGAGAAAGGAAGAAGTA
TTTCTCAGTAACATCCCGAGTTAGCCAGAAAGGCTCAGGAAATCCCTGTTTGGTGATGAG
ATCATTGTATCATTGTTTAGAGATTTCTAATTCATGATGCAATGTATTTTAAATGGTAA
GTTTTAGAAAGCTTGTTTTATAATTCTAACTCTTTCAGACATCAGTTGTGTATCTAAT
CTTTTGTTTACAGGACCTACTCAATCTAATCAGAAAAAGAACAGGCTGAAGCTACAAAT
AAGATAAAAAAGAA

Sequence 1703

CCCTTTGAGCGGCCGCGCCGCGGCGAGGTACGAAGTGTGTTTCAGAGTGGCGAGGAAGGGCA
AGTTGTTAAGATTGGTTGTTGAATTAGTTTCTGTTTGATGTTAAAGAGAACATAGAGTAA
ATGATAATCCCTCGAAAGTGGAGATCTTGGCAGGCTGGCGCCTGGTGGTATAGTAGAAAT
CTGAGAAAGGGGGAGGATATTAAGTCAGTTTATCAGGTAAAGTTGAATGAAATATCAA
GTTTAAGTGCCTCTTGGGTATTTGCAAAGATGTATAGATTAAGGCTAAAGGGTTGGAGA
AATAGATTTGGGAGTTACCTATGATTTTTTGGTTATTCTGCTCTCANGATTGAAAATA
AAGAATCTCAGAACTGCATTTCTAATTAGTGCCATAAAATCTTTATTGATGCCAAGTTT
TTGGTTTTTCCCTGNAAATTGNGGTANGTAGAATTCTAAATGAC

Sequence 1704

CCCTTAGCGTGGTCGCGGCCGAGGTACTCTCTTTTCCAACCTTCCATGGCCACCTTTGCC
TGAAGATTACAGCTATAAATCCTTTTTCAAACCTTGACAAGCACAGCCTTTCAAACATAAC
CCTAATCTATTTACCAATCTTGTTGCTCACATAACTCTGTATTATGTGCTTTAGCTAGT
AGACAATTTGATGCTTCCTTTTCAAATCTTTTGTTTATCCTGTTCTTACAGTTAGCAGTT
TCCTCTCTCTAGCTATCCTGCCTCTTCTCTTATCTTTCTTTATTTTCTCGTTATTTT
TGAATATATAGATATTATTTATTAATTTATCTGTTTTCTTCAGCTTCATAACATTTATGT
GTCATTTATAAACTTTAGAACTTTGTTAGAAGTTTAATTTCTCTTCTGTTTTTATAGTGA
GTAGAGAGAATTATTTTACATTTATATTACTCTAAATCATGCTAGCCAAGGAATAATTT
ATCTCATTAATTTA

Sequence 1705

CCCTTAGCGTGGTCGCGGCCGAGGTACACTGAGCCTAGAATATCTTGTGGGGTCAAAAGG
TAAGGCAGTGCTCAAAAAACAACAGTAAAATGGCAAAAATACATAGAACCCAACTTGAAG
GGCATCCTAATGTAAATCTAGAAAAATCTGAGCACAAAATGTATTATAGTCATGGGTTA

Table 2

TAACCAATATAATGAGAATCCAAGAGTCCAGACTGATTTTTAAAAAATTGCATTTTTTCA
ATATAAAAGAAAATATCTTCCTTATAGTAACATTTTAATTGACAAATGTAGAAGTAATGA
TGGAAGTAGAAAATCACTGTTTGGCACACACTGTAGTAATAACTGTTTCAGACAAGAATT
ATCCACGAATGCTAAAATTAGTTTGGTGAAAGTATGATGAGAAACAAGATACTTACATAG
GTCCAAAGCATNTCCTGACAAGATACTTATTCATTACACAGAAAAAAATAG

Sequence 1706

CCCTTTGAGCGGCCGCCCGGGCAGGTACACACTAGCTGATAAGACACTGTTGCCCATAA
TGTCTATTTATTGGATCAGCAATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACA
CAGCTGCAAAAATATACCATAGCTTGCAGGTGATCATTGGT.TGATAAAAGATATTGAGT
CGCTCATCTTGTGAAAGTGATCTTTGATATAAGAGGAGCATCAGCGGGGAAGCTCACATG
TCCCGTGGCTCACACACCAGAAGGTATTTGTGCTTGTCTGCTGCTGCTGGCAGTCCAT
GGCAATGGCTTTTTGAGAGAGGCCTGTTTTGTGGTTAACTGTGTGTACCTCGGCCGCCGA
CCACGCTAAGG

Sequence 1707

CCCTTTGAGCGGCCGCCCGGGCAGGTACCAACAGCTTTTCAGCAGATGTTAGCATTAC
ATATGAGAAAAGTTGCAGCAGTGTGCACATTGTGCTTCTGCCCTAGATCCTTATGTAAATA
GGACGTCCGTGACTTGATGTTGAAATGACCTTTCAGGCAGTATTCTGTTGCCACATGCCT
GAGCTTGTATCCAGAGTAATTAGACGTTTTGACTTACACATCTTGGTATACAGTGTTTA
TGCTAATTATAAATGTCTGAAAGTTTCTGAAACTTTTTCTTTGTAGCTTTTTATCAAAG
ACAGACAGGAGGTTGGGAGGAGGGTTGTGGATTGTGGTCTAAGCCTTTGATTTTCAGTC
TCTCATTTTTGGAATGAAAATTTAAATCTGCTTTTCCAGTTGCCGAGACATGNGGGGATA
TTTTTATATTCTTCATCTTGAACAANAACTGTTTGAATCACAGCATTTTAATACTTTT
TAAATAATATTTTATTCTTAAGGCTTTTANCTAAAAATTCAAGATTGNGAGNCCCTAAAT
AAAAATTA

Sequence 1708

CCCTTTGAGCGGCCGCCCGGGCAGGTACCCTGTTGTCTTCATGCGTAGAAAGGATTGAG
CCANCTGAGCAATCTCCAAGGTATCTCAAAGACAATATTTCATTTTATTTTGTGCTGA
GAACCAAGTGTTTANACTCTGTATGACCTAAGACTGCTGGAAAGAAGGAAGATCTGGTTA
AACTAACACAAAGAGCTCCTCAGAGTGTAGTTTTCTTACCTTTATTGCTTCCTTGAGTTC
TTATATTGNAGNGGAGACTGAGTCCTCCATACTGCCTGGGCTCTGATTAATAAAGACCT
CTGATATCACATGCAATGAAGAATAGANAGTTCTAGTATGTAAAGCA

Sequence 1709

CCCTTTGAGCGGCCGCCCGGGCAGGTACCACCAAGTCCATTTCTGAGTTTAAATACCC
ACCCACCGAACTGGGGTTGTGACCTTCAGCAAGATTGTGTTCTATTTTAGTTTGTTTTA
AACTTCTTCAAGTCTTCATTGTCTCATCTGTAAAGTGAGGATCACAATGGGATCCCACTT
CTAAGGTAGGTATGAAAATTAATGCAGTCCTGAATGCCACGTGCTTAGCTCAAGTCCCA
GCTAAATGGAGGCTACAGAGGACATTGGGTGAAACCACACCTTCTTATCTTGTGATGG
TCCCAACAACCTTGGGTGGGGTAGCCTCTTTTGTCTCCCTCATTGGGCAGTTACAGAAAG
CTACACCTGAGAGGTCACACATCTAGGAAGTAGAAGAACCTGAAC

Sequence 1710

CCCTTAGCGTGGTCGCGGCCGAGGTACTATACTTGGCCCTCTATAATTCTGGGTGTAATG
TCAGTTGGGTTTCAGGCACATTACCTGCAGCAGCAACAAACACCTTCCTATCAAAGTCTCA
ATTTCCCACTCTAAAATACCAATATGTCAGTGTTGAAGTTAAATTAGGTTTCTAACCCAA
TGCANGGAAAAAGAGAATTGATGGCANGTCCTTGATTAATTAGTTGAGTAAATGTTGA
AAATGACATTTTGAACAAAATATTGAAAAAGATAACATGCNCGGTCANATGTNCAGCAAG
CCAAAAGAAGAAAGGCTTTCCTGAAAAATGTAAATTTCAAAGAAGAAGTTTTTGAA

Sequence 1711

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGGACATTCANAGGTGAGCCAGAGCGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCT

Table 2

GTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTCTTCACAATTGA
AATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATAC
TACATAAGAAGCAAGGACCACCAGACTCAAGACGGACATAATTGGATTTTTTTTGGCAT
GGCCTGGAAAGAAAGGTACCCACAGTTAACCACAAAAACAAGGCCTTTTNTTGAAGGAA
GCCATTGGCCATGGACTGGCAGACNAGACAANTNNCCAGGACNCCAAATTNCCCTTTCTG
GGGGTGTGAGTCACGGGACATGTTGAGCTTTNCCCGCTTGATGCTCNTNTTAATTTCAA
AGATCACTTTTCAAAGAATNGAGCNGACCTCATTTTTTTTTTTTNTTCAAACCCATGN
NTTCCCCCTTGCNAANGCTTTTGGNTNTTTTTTTTGAAGCNTTGGNTAAAANCCTTTTT
TGGGCTTGAANAATTNNNGGGANCCCTTNTAAAATTNGTTGGNTCCCAATAAATTAAN
CATTTTTGGGGCAANAAGNGNTTTTTATTAACTTTTNGGGGGGACTCCCCCCCCC

Sequence 1712

CCCTTAGCGTGGTCGCGGCCGAGGTACTATTTTTTTCAGTTGTAAAAAGTAAAAGAGCTA
GGTTTTATGAACAGGATGGGAAGCCAGTTATATTCAGTTATATTCGATTTCTGGTTTTA
ATAAACTAAAGAGAAAAGTGCTTTTAGGCAAAAATCCTGAGATTCTAATAACAGACTG
TTTTTTTCATCATCTTATTAAATAACCTATTGCACACTGATTACATTTATTCTTACTATT
TTCTTTATTTTTCTGGATCATTTTTCACAATTTTATTTTTACAGCATTCTCAATACTT
TTCTTCATGTTTCATTAATGTTCTGTATATAGTCCGAATTCTGTAGCAACCTCTTAGGA
AGCTCTTTATTAATACCTAGCTGAAATATAAAAAATATTGTAAGTGTAAACTACTCGA
TTTTATNGGGGAGCCCCGTTTGGCTTTANGTGGGACCTTTTAAAAACCTTCCACCGGNT
NGGGGATANTTTCTNGNATTTTNGANGGAAAAAGNNAACCNNTTNAAGGGNAATTT
CTTNTTANGAAAAAAGGCATTTTCAAAAAANANTAAGGGTATTTTTNTTNTT
AAAAAAAAGNAATTTTGGCTTGGGAAAAANANTTGNNGAANTTTNCCCAAAAAANNT
TTTAAGGGTTTT

Sequence 1713

GAAATAGTTCAAATCATGGCACATTGAATGTCCTCACTGGATTTTTAGGAATGTGTTTAC
TGAGACAGCCAAATCCTATTTTCTTTGGCTCATTGCATTGGCTGTAAATTGGAGA
TATTCATTTAATATGTGAGTCAAAATTTATTTNCAAACATAACTGCAGGNGTTCTGT
CACAGAATATAAATTTTCTTATTTATTTCTTAATACCCTTGCTTTCNACTTTNTNCTN
CACTTCTTCTATTTTATTCTGGGAGTAATGTGGAAAAAGGGTTTTNCCAANAAAAAGA
NTTNGCCATTATTGCCCATTAANTCCTAACNNGATGGAANTACCTTTTTTT

Sequence 1714

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGAAGGCAGGTTGGGTCTAGAAAGCCCTGA
CAGTCTAAGAAGGTCTGAGTTCAGGATACTGAATAGTGTTACTTCACACTCTAGTCAAG
TGATTCTGAGACCTTAGCATGCATCAGAGGGCTGGTAAACAGATTGTTGTCTCCACCTC
AAAGTATGTGATTCACTAGATTGTTGGGTGGAATTGGAATTGTGGATTTTAACTTTTA
GGTGATGCTGATGTTGTTTGTGGTCCAGGGAGCTCACGTTGAAGACTGCTGCCCTGGGCA
ATTGGGATCCATGGAATGTTTGAAGTNAAGAATAAAATTATCATGACTGTGTCTAAAA
AAGATGACATTTAACAGAAGTGATGGATATATTGGAGAGGAAAGGGCCTAAGGATGGTGA
GGCCAGTTAAATACTTTGAGTAGTCCATGTGTGANGTAATCAGAGAATGAGCCCTGATTG
GAGGTGGGNAAGCCTGGGGCCTGTTGAATCTTTCAATTCNTTTTAAAGGGCTTATNNTG
AATTCATTTTATCAANCNAATNGGANACCAATGGGCCCTNCCTCTTAATTNCCTTTTGAN
AATTTTTTTTTTANGGNTTGGCCAAANTTTNAGGGAAAATAAACCAATTTTANGGATGGGC
CNCCTTTTTTTTTTGAATTTTNNAAAGGTAAAAACNAAAAANACCTTTTTTNANNNATA
GGGTTTNGGCCATAAATNTTNGGGCNGGCCCCCCCCCCC

Sequence 1715

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG

Table 2

ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAAGCTGCAG
CGGATTCCCTCTGAGCCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTCCCTGGGAT
GTCCCTGGACAAGAGACAANGGAGAAAGCCTTAAGGATCTACTGGGGGGAGTCCCGGANG
AACCANTCTTTTTNTCCCGCTGGAACCCATGGNNCACTGGAGTTTCCCTTTANTGCTTA
CTTTCNACNTGGNGCATTCCCTNTGGAAAAATTACAACCCAGNTGAGAAAATTCCTNTGAA
AAATTTTNGAAAAGTTTNTNTGGGGNTTCATTGNTTTTAANCNTTGNTTCCAAGCTTTTCC
CAAAAAATTNCCCCANCAAAAANAATTTNAACTNNGNATNCTTGGGAANGNAGGAAAAANN
AAACTTNNNTGGGNNGGTAAACNTGGAACCCCTTTTTGGNTTGGANAACCTCCCCAAGG
GGCTGGANGTCAANTTNTNTTGGGAAANCCGCNAANAAAACTTGGGGNTTTTTCCCTTTGC

Sequence 1716

CCCTTAGCGTGGTCGCGGCCGAGGTACAAGCGTGCCCTGCAGGTGGCACACAAAGCTGAG
ATATTGTCACCTTTGGGAGCACTGTATTACAACACTGGCCGATACGAAGAGGCTTTGCAG
ATTTACCAGGAAGCTGCAGCACTTCAGCCTTCTCAGAGGGAGCTCCGCTTGGCACTGGCT
CAGGTTTTGGCCGTGATGGGTGAGACAAAAGAAGCTGAAAAGATGACCAATCACATTTGT
GTCAGAAGAGACCGGATGCCTTTGAATGCTATCCGCCTCTTGTCAAGCCCTTCTATAGCA
AGCAAGGAGAACCACGACAAGGGCACCTTGNTGCTNNTAGACAANGCTTCTCCAGCTGAA
ACCCAAANGGACCCAAAAAGTCATTTTCTGAACTTTTTTTTNCAAAAAGG

Sequence 1717

CCCTTTGAGCGGCCGCCCGGGCAGGTACAGGCTTTGATGTAGGACCGTCTACGTCATGA
GTGAAGAGCGGTAAAGTGCCAGGGTGTCTGGTGGACAGAGTGAATAAGAACATGGTATAA
GATGAGGTTATGACTATATTGTGTAGAACCCTTATAAGCCACTTTAATGATTTGGGTTTT
GTTCTAGACGGGAAACCATT

Sequence 1718

CCCTTAGCGTGGTCGCGGCCGAGGTACTGTCACTGTGTACACAGGTTAGTGAGGCTTGA
AGCCCTTGCTTTTTACACTTACAGTTGGTATTCTGCAGCACTTGAAGTGATCATGCCT
TTTTCTAGAAGAGTTACCTACAGCAGAAGTGTTAAATGGAAGAGATTTACTTCCACTAT
TNCTGGGGGGATTCTTGTTACCTTGGCTTACCTGAGGACCTACAGTTCTACATTTACT

Sequence 1719

CCCTTTGAGCGGCCGCCCGGGCAGGTACTCTTCCCTTCCAGAGGTTTCCCATGCCCTCT
TTTGGACTTGATGGGGGTCAATTTGGGACAATAAGGCCTGATACTCCTTGGACTTAGGAA
GCGAGAGAGCAGGAATCAAGAAAAGCTTTTGTGTTTTTGGTTTGTGTAAGAAAATATGA
TGGATTGAGATAAAATTTTCAAAATAGGCCCAATGAAGAAGAGCAGATTCAAGGAGTAA
AGGATTATT

Sequence 1720

GATATCTGCAGAAATTCGCCCTTAGCCGTGGTCGCGGCCCGAGGTACTTCTATACAGTGG
GAATGCTACTCAGCAATGAAAAAGAAAAGATGCAACAACCTGGATAGACCTCAAANGCT
TATGTATAGTAAAAAGGTCAACCCTTAAAAAGGTATATATTATATGATTGCATTTATATA
ACATTCTCAAAATAAAAAAACTATAGAGGATGAAGAATAGACTAGTGATTTCCANGGG
CACAGGGACAGGGTAAGGAAAAGAATTGGTAGACCAATGTGAATGCCAAAGAAGGTCTTC
TGGTGTGGATGGGAACCACTGTATCTTGGATTGGGGGTAGTGGGCTTCTCAAATC
TATGTATGGGAATAAATTAATTAATAATTAACCTTATACCCNCCAAATNACTGCAGGT
TTAAAAATGGTTTAAAAAAAATGGTTGNAAAATAAGTTAAAAATATTTAAGTCTAGC
CTAACCAATAAATGAACCAATGTCAACTTAAGTGGTTNNGGGTATTATACCAGCTAAAA
TAAGAATGTCATTGTTGGGNCCAGGCCGTGGGTGGCTTACACCCCTATAATCTCAACC
ACTTTTGGGGANGCCCA

Sequence 1721

CCCTTTGAGCGGCCGCCCGGGCAGGTACCCCGAGAGATTATTCAATCATTGCTTATGA
CTGTGGCAACAATTTTGTACCGACAAGAACTCTGGAGAAGTCATGACAGTAGGAATCA

Table 2

ATGCTATAAAGGAGATAACAGCTCGATGTCCTCTGGCCATGACTGAAGAACTTCTCCAAG
ACCTGGCTCAGTATAAAACACACAAGGATAAGAATGTAATGATGTCTGCTAGAACTTTGA
TTCACCTCTTCCGAACACTGAATCCTCAGATGCTGCAGAAGAAATTCCGGG

Sequence 1722

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCATAGATCACTGGTAGGGGAAACAAAAGCAA
AAGCAAAACAAAACAAAACAATAGATCCTGATGACACAGGTCTATTTATACAAACGATTG
AAGCAAAAATCAATTGTAACGTATCAAGTTTATGCAGGGAGAAATGACAATTCTATGTC
ATGTGACTAGACAATATGGTGACAGATGGGTTTTGGAAGCTTCAAAATAATTGGTGTAT
GTTTAAACAGCTCATAGTGCCCATACACATACCGTATGGGCCCCGCCAATTATTTCTTTC
CAGTTTCTGTTGCCAAAATGCTTGAATTCAACCAACC

Sequence 1723

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAAAGCTGAGGGAAAAAGTTTCAGCTTCAA
GCATTAACGTTTTAGTTCATAAATCTGAAGGAAAAATAAGAGAAAAATAAGGCATTAAAGA
GATATGAAACAATGTAAAAATGAATATTTCTTTTATGAATCCTTGTGAATATATGACAGT
ATCAAAGCTCAGAAAAGTAGTTTACTGGGGAGGATCACGAAGGTCAGGAGATCTAAGACC
ATCTGGCTAACACGGCGAAACCCCTCTTCTCTACTAAAAAATACCAAAAATTAGCCAGGAG
TGGTGGCGGGCACCTGTAGTNCCAACTACTAATGGGGCTGANGCAAGAAAATGGTGTGAA
CCCCGGAGTCAAAAGGTTGCNGTGAGCCCAATCGCNCCTTGGACTTCAACCTGGGCG
ACAGAAAANAGACTTTGGCTTCAAAAAAAAAAAAAAAAAAAGGAAAGGAAAAAAGGAAA
CCGGTTTAAG

Sequence 1724

CCCTTAGCGTGGTCGCGGCCGAGGTACAGGTAAGGGGGAAGTTCCAAAGCTGTTAGTCAC
CTTGTTTTCATGCTGATCACCCAACCATCTANTGTTTGTGTTCTAAGAACTTTAATGT
TTTGAGGAAATATCTTGTGGCCTTCAAAAATCATTCTGTGAAATAGTTGTTTCTACCT
ACATTCGTCTCATTAATTTTTCTACATACAGCAGAATTCTGCATATATTAGAGGTAATC
AGTCAGGGTGTATGGAGGAAGGTGACCCATGGTTCACCATCTTGCCAATAGAAAAACCA
ATAGGAAGTCATCTAACCATCATTCGGAGGGATTGAGGTCTGTCATAGGGAGAACAACT
AAAGAACTGGACTTTTGCTTTCAGTCAAGATGGAGTAACAGGGACTAAATTTACCCTNCC
ACCTGAA

Sequence 1725

CCCTTAGCGTGGTCGCGGCCGAGGTACTGCCCCGCAGAGGGCCTGGGTGAAGGGGCCACC
CANCAAGGATGGCAATGTGTATGGGAGGAGAGCCGCTTGCTTCTAGAGGCTGAATGCCT
GTCAAATGGAGAAGGCTTNCATTTACTTCANAAAGCTACACTGACTCTACTAAAAGGCC
CTTTCCTGCTGGCTTTTAGGAAAAGAGAGAATCCCTCATCAGTCTNAAAATCACAAGCA
ACAGAAATGGGAAATCGTTTTCTAAAGAAATGAAATGTGTTGAATTCANTAATACTCTT
TCATCTTCCCTTANC

Sequence 1726

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGT
CTCTTCTGTCCCGCTGGAAACCCATGGGTCCACTGAAAGTTCCTTATGCTACTTTTCACT
GAGCATTCATGAAATACACCCAGTGGAGAAAAATTCTTGA

Sequence 1727

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACACATTCAGAGGTGAGCCCAGAGC
GGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCC
CTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAG

Table 2

GAATGTCAAAATGTCATGTTCAATTTTACATTGAGTGCCTGGAATCTTTTCTTCACAATT
GAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAACTTCAGCTCACAAAGGAAAT
ACTACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTGCCATG
GCCTGGAAA

Sequence 1728

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACCAGAACACAAGAGCAAACAACCAGGGGTTTT
GAAACTAAAAGTTAAAGCAAAGTAATCCCTGCTCAATTTCTGCTCTTTTCCACTAAGTT
ACATGCCTCCCAAACAATCCATAAAATAATCTATCAAAGGAATCAAAGATAATGTTGAAGT
ATTACCTGTGGCACTTAAGAAGCTGCTAGAAAAATTTGATCTTTCAGAGAATGCTGGTGAG
AATAAGTAAATGCTAGAGAAGGTCTCAAGTTGTAAGACTTCATGATTTCAAATACACAAA
TACAAAGAATAAAAAATGGTAAATTTTTTCAAATATACCTAAACACTCATNTTTTCAAGA
TTTAATATGAAGCATTTTTTGGTCAAAGAAAACATTTTCTCCAATTACAGTATCTTTTAA
AAAGACNGAGTGAAAAACAAAAAAG

Sequence 1729

CCCTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGAAGTGCAGTTTCTGCGCGCTCAGAC
GTCTGATGCTTTGCTTGCCCTTTGTAAAGTCAGGTATCTTTTCTGCATGAAGCCTTTGAA
AATTAACGGTTAATTGGTTTACAGAGCAGTATTGCAGTTCTTTTGTGAGGATGCAGAAA
CTTGTGTAAATTAGCTTTTACCTGTAAATCTGTCCGGATGTTGAGTATAGAACAACAAAT
AAGGTGTATGGCACTGCTTTTACAA

Sequence 1730

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTAATACACCATCCTGGTGGATCTGGCGC
AAGGGAAGTCCACACAGAAAAACACTGCCCTCACGTTATGAAAGGATTCAACATTATTCT
CTCTTTTGAAAGATAATTGGCTTCAAAGAATAATTGAAAGTTAGAACTTGGGTCTTTTA
CAGAACCAGGTAATATCTCTACTACTCTTTTGGGAATTAGTCTTGAAGTGCAGCCACTGT
GAAAGCTTCTGGTGTATTAAATTAATTCTTGTATTGTTATTAACTTTCCACATGGTT
TTGTTTATCTCCTCAACTANGGTTTGTGTTCTGAGNAGGCAAGAACTATGCTTATATAT
TTTTANAAAATATTTTCCACCATTATTTTAGCACTCTTATTAAATATTTATTNAGGCCCT
CAATAACATACTGGTGAATTTTGGNTAAAAAAGCCANGCCNTNAAATTTGCTTTTTTAA
AAA

Sequence 1731

CCCTTAGCGTGGTCGCGGCCGAGGACAAGTACATCTCATCACTGAAGTGTATGAATTG
ATCAGCTTGGATATACACTTAGGTCTATAATACTAAATATGAATATTCGTTTTTTCCATA
ACCATAGGGTGTAAATCATATGCCTATGATTCTGTATCCTCTACTTTATCCATCTGAATGC
TTCTCGATCCCACTCATGCAAGATGTGTAAACTCATCATGGAATAATCTATACTAAGCT
TTCAATATTGACATATTTATATAAAAAATTTATTGCAATAGATTAAATAAACATAAAGTAA
CTTTTTTTATATTGCTAAGTCACCACAATATTTATCTTAAAAAGCAATCTTATTATTCAA
GTATAAAATTTCAAGTATTTTTTTCAGGATCCCTACAATTCGCCTGGTTTTTGGGTGGATCA
TTTAGTCTTATAAATAAATTTTTTNGGGGAATGGGCAATTTT

Sequence 1732

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACTCTTTCTTGAAGTCCAAAGGAGAAT
CCTCAAAGAATCTCTGAAGAAAATTTGACTCCACTGATTACCATCTGTTGGTGACACTCT
GCTTCAATTATTCTTTGTTCTGAACTCCAAGGACTGTTTTAAGTTCTACAATGTCTGGCA
GATTGAGGAACAAAGATAAGGGAGAACAAAGCAGAAACTGGTCAGAGGGCAAATCCAGACA
GAACCTTTGACTTGGTGTGAAAGTGAAATGTCATGCCTCTGAAAATGAAGATCCTGTGG
TATTGTGGAAATTTCCAGAGGACTTTGGAGACCAGGAAATACTACAGAGTGTGCCAAAGT
TCTGTTTTCCCTTTGACGTTGAAAGGGTGTCTCANAATCAAGTTGGACAGCACTTTACCT
TTGTACTTGACAGACATTGAAAGTAAACAGAGATTTGGATTTTTGCAAACTGACGTCAGG
GANGCCCAATTTGGTTTATGCATNCTTAAGGTGANTATTTGTAGTAAAAAAAATTNAG
ATGCNAAAATANGGTAACATNNTTCTCTAATTGGACCTTTGGTATGCCTTGGGGATTGA

Table 2

AANAAAAAACTTTGTTTTTTTTTAAAAACNAANGTTGGNAAAAAAATTT

Sequence 1733

CCCTTAGCGTGGTCGCGGCCGAGGTACCTGTAAATCTCTCAGCTAAGTTAAGCTATAAAT
TTGATTAGGNNGACTTGGGCAAATGCACCATAAAGTCCTTTCCAGAGAAGGAGTTCACCT
TTCATAGGTTNTACTTGAAGGAATTGTCCAAGAAGGTTTACTGTA'AAAAGGAAATTGAAC
ACAGAAGGAATGAAAAGTAAAAATTAACCTAAATTTGCAGAAGAAAACACTACAGAAA
ATTTTTGTGACCTGGGGTTTGGCAAAGATTCTTAAATATGACACCAGAAGCACAGTCTA
TAATGAACGTATTAGTTTATTGGGTT

Sequence 1734

CCCTTAGCGTGGTCGCGGCCGAGGTACAGGTAAGGGGGAAGTTCCAAAGCTGTTAGTCAC
CTTGTTTTCATGCTGATCACCCAACCAGATCTAATGTTTGATGTTCTAAGAAGCTTTAATG
TTTTGGAGGAAATATCTTGTTGGCCTTCAAAAAATCATTCTGTGAAATAGTTGTTCTACC
TACATTCGTCTCATTAATTTTTCTACATACAGCAGAATTCTGCATATATTAGAGGTAAT
CANTCAGGGTGTGATGGANGAAGGTGACCCATGGTTCACCATCTTGCCNATNNAAAAACC
AATANGAAGTCATCTAACCATCATTGCGAGGGATTGAGGTCTTGTCATAGGGGAGAACCA
A

Sequence 1735

CCCTTAGCGTGGTCGCGGCCGAGGTACCCGTGACTTATTGCACTTGAAAAGTCACACACG
ATGAACATTCTGGCAAGAGCTGCAGTGCTTTCAGGGACACAGCAGTGTTTTGTTTTCTG
CTGGCAATGGACAAGCATTGGTGAGAACCAAGGTGCAGGGTGTAGGGAGACAGACCCA
NGGTCTGGAGGCATAGAGCTTCCATGACAGACTAGGAAGGGAAATGGTGAGAGTCACACA
TAAATAAGGACAAGTTCACCAACAACAAGATCATTATGGTGAGACACAATCCAAAAACAA
GTAAGACNAATTCACAAAATAAAA

Sequence 1736

CCCTTAGCGTGGTCGCGGCCGAGGTACNCGGGGGCTCGCGGCCACGTGACCGACGCCAAC
ATGGCGGCGCCCAAGTGCGCTCCACCTGCTCGTCCGCAGAGGTTCTCATAGAATTTTCTCT
TCACCACTCAATCATATCTACTTACACAAGCAGTCAAGCAGTCAACAAAGAANAATTTCT
TTTTTTCGGAGACAAAGAGATATTTACACAGTATAGTTTTGCCGGCTGCAGTTTCTTCA
GCTCATCCGGTTCCTAAGCACATAAAGA

Sequence 1737

AGCGGNCGGCCGGGCAGGTACNNGGAAAAGTGATGACAGCGTGACTATGTAGAGTTATAT
AAACTATGTAAAAAGTCNTAAAAATGTGAGNAGGAGTGAATTTGTCACTCGATTTTCTTT
TCCCTTAACCACTCTACTTTCTTCTCTCTCCATCTGTAATGCTATGCAGTAACTTCAG

Sequence 1738

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAGAGAGCCAGAAGGCTGTTGGTGAGATGGAG
CAGTCACTGAGCGGGTCAACAGGAGAACTTACTTTATGAGATCTGCTGCTAATTTCTGAC
TTTGGGCAAGTCACCTCACAGTCTGGGGCTAAGATTCACTCCTCATCAGTAAATGAAT
ACTTTGGATGAGACGGGAGGTTTTCCCATTTCTGATGCTAGGATCTTGTTTCATGAGTTAAT
GAAGACAGTTGAGGAAGGTAAGGAGCTATTTCTACTTGATTAGTGAGGCTTCAGTCTATT
TCAACATTTCAAAGTTTTTTCATGATAATT

Sequence 1739

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TATNGAAAAATTNTAANGTNGTTNATTNANNANCTANATTTNNGAANNATNTTTTAATA
TNTCNATTTTNTNNAATTTTGCTAATNTTAANATGGGATTNAACTANNAAAGCATAAATAT
NTNNAAAAAANATNATTTTAAANNAANANNATNATTTTNANAGNANGTCAATNTCAN
CTTTTAAAAAATTTGCTACCAAAAAANTTTAAATCAAAANACATATATTTAAAAA

Sequence 1740

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGACACATTGAGAGGTGAGCCCAGAGCGGG
TAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTG

Table 2

TATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAA
TGTCAAAATGTCATGTTCAATTTTACATTTCAGTGCCTGGAATCTTTTCTTCACAATTGAA
ATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACT
ACATAAGAAGCAA

Sequence 1741

CCCTTAGCGGCCGCCCGGGCAGGTACTAAAATGTGGAGCTCACAAACAATTTAGAGCCGG
TCTGGTGGACTTGTGGTCCGAAGACCTGGGTTGTGCCCTGGCCTGGCTTCCCTCTGGCTG
TGGAGCCACAGGCCTGTAACCTAAGCTTCACTCGGCTCCATTTGGGCAGTCAGGGCCGTG
AGACCCCTTTGCAAGGTGGTTGTGACTGCGGCGTGAGAGAATGTACATGAAGGTGCTTT
TCGCAGTATACAATGCACTTGTTAGCAGTGCTTGGCCTTTTCAGTGTAACATA

Sequence 1742

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACATTCAGAGGTGAGTCCAGAGCGGGT
AAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAAATGTCATGTTCAATTTTACATTTCAGTGCCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATA

Sequence 1743

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGGACTAACAAATCAACCAGGTCTCTGTTG
AGCTCTGGGTTTATTGATAAACTGGAAGAAAGCAGAAGGGAAAAGACAAAGAAAGTAAAA
TATGGGGTTAATCAGGTGAACCTAAGCAGGTGTGAAAGTGGAAGGGAAAGTAGATTATGAT
GGAGTTATGGATCTAAAGGAAAGTTGGGACAAGAAATGTGTGATGCTGCTAGGGGAC
CAATACTAAGGAGAGAGGTTTAGAACATGAGGATAGGAGGCTGGGAACACAATTGTGATA
CTTAAATTAGAAAATGAAA

Sequence 1744

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTCAGTCAGTGGTTCATTGCTGACGAA
GTCACTTTTAAGTCATGTTTTAGAAGAACTACCAAGTGTGGCAGGTGAGGCATGTGGCAG
GACTGTTTCTGAGCACAGATGAATGGATGAGCACCTGGCCCCACTGTGCCCAGTTGGTCT
AGCTTCCCACTTGGCCACCTACGGTCTGCTGTGTGGACCTTGTCTGGCAGTCTCCTTTAA
TTTATTTTTTATTATTTTTTCTTTTTGAGATGGAGTCTTGCTT

Sequence 1745

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGGGGGT
AAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGT
ATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAAT
GTCAAAATGTCATGTTCAATTTTACATTTCAGTGCCTGGAATCTTTTCTTCACAATTGAAA
TGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTA
CATAAGAAGCAAGACCAC

Sequence 1746

CCCTTTGAGCGGCCGCCCGGGCAGGTACGTTATTTATTCCTTATTTCAAAAAAATAC
TTTTGTGAACAGGTGAGAAAAGGAAAAAAGAGAAGGAAGGGAATATCCTAAGGAATAG
AGGCCACAATTAGAAGAATGATAGAAAGAATATGCAGGTTACTAGTCAAACAATTAGAGA
ATATTTACCAGGAATAAATGGTGTGTGAATCAACTTCTTAGAATTCTAGACTAGTGATAT
TAAATTAAGAAAACTCTAAGTAAACCCACATATCCTTTGTTGTGCTGGGCAATAATGAT
ACGTGTGTTTAAATT

Sequence 1747

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACCGTAATTTAAATAGGCTAAGTTTAA
AGGATTATGATGCTGTGATAGAACAATATAAATATGTTTAGAGAATCTAACTATTCTAG
GGCTGAGGGCGAGTAGCCAAAGTAGGACAAAGTTGGAAGAGAGTCCCCCTCTGGTGTTC
GACTTTATTGGAGAAGTTGTGGCTGCACGACACTGGATGATGTGGAAGTTTGCTGGCGTG
CCTCGGGCCAGAGCTGGTTTAGAATTGTCTGATAAACAGGAAACGGTCTCTGGGA

Table 2

Sequence 1748

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCTAGCCTGGGCGACAGAACGAGACTCTGTC
TCCAAAAACAAACAAACAAACACAGAAATACTGGGAATAAAAGTATTTTTGAAACATGT
AGATCCTCTTTTATTAAGAAAGAGGCAGACATCTCACACTTAGGAAAATCTCAACCCTTA
AAGAGAGAAATGAAATAGAAATTTTACAAATCAAAACAAAAGTAAAAAAATCAAAAATA
ACAGATTTTTATCAAAGAAATTTAAATTTTACAGATTTAACGTGGAAAATATCTGAAAATG
TTGTGATTATGAATAAGCCTTATGACATTTCTGCATCACTTCCTGACTTATAGACCTATT
TCTCTAAATTGATATTCATTCTACACCAATGAACCACTAAAGGCCTTGGTCATCAAGATT
CCAGAGGGGGATTTCTATTCATATTTTGTATGAATCACCAACTGNATGAAAAGGTAGT
TTTTCCATTTCTGNAAATATAAGTTTAATAAAAAATACACCCCNCGTTAACACNCCCGGGC
CCAATGNCTTAGTCAAATTACCAACCTTTAGCCATGTTTTTTCCTATCCCAAAAAATTCAT
TTTGGTTTTTTGGGGGACAGNGGGNGGAATGNAAAACCATTTAATTTACCTTAATTTTTT
ATTT

Sequence 1749

CCCTTAGCGTGGTCGCGGCCGAGGTACTTCTAAATAATATGTGAATTACAGAATTATTTA
TCTCAAAATAAATTTAAAAATAGGTAACACTAAACAAATATGTAAAACAACTTATGAAA
GTTTGTAGAATATAGTAAAGTAATGATTAGTGAGAAATGTATAGCATTAAAGTCATATA
TTCGAAAATATTTAAAGACGTAATAATCAAGTGTTAGCAACTAGAGAAAAAGACCAAGTT
AAACATAAAACAAGGAGAATAAAATAAATAAAGGGGAGAAAATCATTGAAATGGAA
AATTGGAAAACAATTTAAAAATCAACAAAACCTAACATTGTATTCTTTGAAAAGATCTGAA
AATTTCTAATCCTCAATCCAAGCCAGTCCAGCCACAAACAAATAGAGAAGACAAAAATT
TATNAAACCAGAAATAAAAGAAAAAAGAGTAGTCATTACTTTCTATATCATGTATATTA
AAAGGATTATAAGAAGTACCTGCCCGGGCGGCCGCTCGAA

Sequence 1750

CCCTTTCGAGCGGCCGCCCGGGCAGGTACACAGCATGCAGGCCGACGCTGGGCCCCCTGC
CAGGCAAGATGTAGGGTGTGAGGTTGTGCTCTGCCCCATTCACTCTGGAACAGCTCCGCC
CTTGAGTCCAGGATATTTTCTCAGTGCCTCCACGCATTTGACCATCCAGAAAACATCCCA
ACTCAGTGTGCTCGGCCACCATAAATCAGCCAACACACATGCTGCCCTCAATGCTTCT
GAATATCAAGGGAAAGGATCTGCCTCATCTGCCCTGCTCCTGAGGCTTGCGCATTGACG
TTTGAGTTATGTCATTATTTTTTTAAGTGATAGAAATCTAGTCAATGATTTGTAGCAATC
ACCACTGTGCAACGTATGCCAAAAAATCTGTCTATCCTTACAGAAGGAGGGAGAAACCT
AGCAAATTAGTCTGACTTCCTTGACACAATTCTGTGATGGGCCAGTATTAGGTAAGGCTA
AATCAGGTGCTGTGATTAAGATTATGACAATGTGAAAAAGTCAGTCATTACATAAAT
TAGAAAATGTTTTCAAG

Sequence 1751

CGCGGCCGAGGTACAGTGCACACACACACAAGCTCATGCATCCATACGCACAAGGTGC
TGGTAAGCATGGCTGCTCAGCTCAGGATTCTCAGATCCAGCAGTGCAGAAAGTCCTCAGC
TTTGTCTGTATACATGTCCACCAAGACAGGCTTGCAATTTGTATTTTAACCACTGGTAA
GGGTCTAGGAGCCAATAGAAACCACAGAACTAAAATTACCAGGTTCAAATTGCTGGACAA
ACTTTAGACAAGGATGAATAGAAAATGAATGGTAGACAAAACAGAAGCTAATGCTAAGAT
GCAATTTTATAGCTGGATGATCTCTAGTTTCTTTTATAACTTGATGAGTCCCTTTTTT
ATGTTCCCAGAAAGAAGGCTCCAAAGAACTTAGGAGATTCTACCCAGGGAAAACAGAATG
CNAGCAGCTCGGGCTGTTTGAATATGCTAGACTGTCTTNCAGACCAGTTTANGTTAGAGG
ACAGAAAAATGAGAAGACAGGGCCTGTACCTGCCCGGGCGGGCCGCTCGAAAAGGGG

Sequence 1752

GAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTCTTTTTTTTTTTTTTTTGGATTTTAG
TAGAGACTAGGTTTTACCGTGTTAGCCAGGATGGTCTGGATTTCTGACCTCGTGATCCG
TCCGCCCTCGGCATCCCAAAGTGTGGGATTACAGGCGTGAGCCACGGAGCTCGGCCATAG
GCCTGTTTCTTATTCTATTTCTGTAAATGTAAACCTCCTGAGATTGGAAGACAATCAG

Table 2

TTTACAGGGTAAGAATTGTTTAAATTATGTGGCAGCTTTTCTCCAAACATGAAGAGAAA
CATTAGAAATACGTTTAAATAAAATTCTCTATTATTTGNTTCTTTTCAGTTAATATAATT
TTCTCGACTTATTGA

Sequence 1753

GGTACCAAAACTTGTCGGAAAATTATAGCTAAAGTTTTCTCACTTTTCTGTCTTTCTCA
CTACTGGGAAGGCATTAGGAATGGAATTATCTGAGCATGCAGAATTGTGTTTTATTTGCA
ATAGGTGAGTATTAACAAAAATGCATAGGTGTGCATCTATAAAATTTATCATATACACTC
AGTATAGACAAATACTTATGAAACATTAGAAAAATCAGCTGAATACCTTGTTAATACACAG
TATCATTCAGCATAATTGAGTTTCTAAATTTTAATAAGTTCTCAGGCGATGCTGATACCA
GTGGT

Sequence 1754

GGTACAGAGAACAGGGTGGGTGGAAGATCGCTGAGAGGGAAGAAGACATTTTGGCTGCTC
AGGAGCAGCAGCAAAGGGAAGAGGACCAACTGCTTCCAGGAAAAAGTGAGCGAGGCACAA
TTTATATATGCTGATTAAAGTTATGAACTGTATAATTAAGTCTTCTTAAGAGATAAGATG
CAAGTCAGCAGTGAGATAGGCACACATAACACACAGAGGGGATTAGAAAAGAATTCCAGG
CTACCACTTAGAATTGATTTCTCTCTCTCCATTTTCTCTCTTCTCAGTCCTTACCTAA
CCGTTTCATCTCTTCCACATACACCGCGGCAGAACAAAGACATGGCCCAGAGATATAAATGG
ACAGTGCCCAATTAGCAGAGTACCTGCCCGGGCGGCCCGCTCGAAAGGGCGAAT

Sequence 1755

GGCCGAGGTACTATAGGTTAAATTATGCTTTTTTGGATCCTTTGCAAAGCAAAAGCCTGA
TCTGACATGGTTGACTTAAAACTTGGTGCAGGTTGTTTCAGCAATGTGGATGGAGAAGC
ATATAGGAGTTTATTACTGATTACCTGGATGTGGAGAAGTGACAGCTATATGTGCTTTAC
AGGAAAGATGGCGTGGGTTTTATTATACACAGCCTTGCCTAGAAAGGGTAAGAGATGGT
TTGTAGGGACACATAAAAAATAAGGTCATGTAAATCAGAAGTAGGTGGGAATGTCTACAG
TAATTCCTTCATTTTAAAAATTTTAGGTAAGTAAATACTTTTACGTCTATAGGTTGGT
TGCTTGCCATATTGCTTGCCATTATTACAAGAGGGGAATGTTAATAGTTTATCGTATTTT
ATAAAGTATTTCTTGAAATATATTTCCAGGTAAATTAGTTTAAAGTATTAATCAGTTTGA
TTTGGGGAAC

Sequence 1756

CCCTTAGCGTGGTCGCGGCCGAGGTACAGGTCATGGTGAGCAGGTGTTCTGAGGGAAGAC
AAAGGAAAAGCAGAGGGAGTGTTGACAATTCTGAGCTTCCATATGGCAGACATTCGGGGC
CTGTTGGCATGGTCCTCAGAGCAGCAACAACAGCATCAATTGAGGTTTATTAAATGCAG
AATCGCAGGTTTCATGTGGACCTACTGAATCAGAACCCTGCATTCTAACACAGTTTTAGT
GGTTCTTCCGCACATTAAAGTTTGAAGGCACTGGTCTGGAGGAGGAGGCTCTACAAAAG
GGTTGGGTATTGAGGAGCCGAAAAGACAACCTGGAAGTGAAGTATCCAGGGATGACCTGA
AAACAAGCATTTCAAAGCTCAGAAAAGCAAGATTTTAACTACTCTCATTTTATATTATC
GCAACTACATGTTCAAGATTTTACAAAATAGTCTCAGTTTTCAAACACTCTGTTTCCCTT
TTGCAGATCATGGTATTATGGATGGNCTTGGGGCCACAAGGATAGACCCATGGGTATTTG
GGAATGAGTATGCAGAGGGGTAAGAATACTGGAAAAATTTGTTATTATTGTGGGGTATNGG
NGACCGGGCTTAGTTTANCATGAAAGGACCTGCTTGANTTGTTTTGGGGGTTGGTCCCGG
CTTGATCCNTNTTGAACCACCTGAAAAAATT

Sequence 1757

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAAGTGTCCTCCAAACCACCAAATTCTGAATG
CCCTGAGCTGGCTGAATGTAGACCAAAGACTGGGTGGCTGACCATGGGAAGGCACTCGA
CACTGTGGACAGGTTAAACGGTTGATCCCAGCTGTTCTGAATAAATGTCCACATGGGTT
GATTGTAGAGCTAAGTGAAGCAACTCCAGTGAAAAGGCCACCTTTTGAAGTACTGAAGC
CACAGAAGGTGTGAAGATGAAGTTGGTGTAGTAGAGGAGGCTGCTGAGGATGGTAACCG
TTCTCCAGACTCCATATTGTGATCAATGTGGTCAATCTTGTGACATCACTTGTTGGGAAA
CCTTTACTCTCGAAGTGAAGTTGCGGGGAGAATGAANATTTTTGCCCTTTTCCCA

Table 2

NAATNGGTTGAANGGTTAAGAANTTTTTGGGAAAACCCACCACCCTCCCTTAANTTTCC
TATTTAATTA

Sequence 1758

ACCCTGACCCATGAACACCTGGCCATGACCTTTGACTGCTGTTACTGTCCACCTCCCCCG
TGCCAGGAAGCTATTTCCAAAGAACCTATCGTGATGAAAAATTTATATTGGATTGAGAAA
AACGCCTATTCCCATAAAGAAAACCTTCAATTAATCAGGAGACAGAAGCCATAAAGGAA
GAACTGTTGTATTTTAAAGCTAATGGTGGAGGGGCTTTGGTGGAAAACACAACCACTGGG
ATTAGCCGAGACACACAGACGTTGAAGAGGCTTGCAGAAGAGACTGGCGTCCATATCATA
TCTGGAGCCGGGTTTTATG

Sequence 1759

CCCTTAGCGTGGGCGCGGCCGAGGTACCCCCCTTTTTTTCAGATCAGAACTGAGGC
TCAGGGAGGCAAATTAACCTTCTCAAATGGAGCCAAAATCGGAACNAGCATGAGTTCTGG
ATTTTATGCTNCACACATTTATAAACTAGGAAATTCACCCCTTGAATGGGAATTTCTGGC
TTGAAATGTTGGAAGGTCTCAACCCCTGTGTTGAGTTCTCACTGGGCAGGAGCTGAGTCG
AGGCTGCTCTGCATCCTCTCCTGTCTCCTCTTGACTTGCTCCACTCACTCTACTGAGCCT
GGG

Sequence 1760

CCCTTAGCGTGGTTCGCGGCCGAGGTACAGGCGGAGGGGGCAGAACTGACATCATGGAGT
GTCAGGCACGGTGCTGGTGCTATGCATACACTCAACAAGGGCCTGGGTAATGCAACATGG
AGAAGGGAAGAACTGGGGGGCAGAACATTTTGTGCTCTGAAAGCCTTTCACAGAGAGGCC
CTGAACCCATAGCTCTCCTTCTCTGAGGACAGAAAAGGAGGAAGTGTGTCTGTCTGCAN
TATGTGGGATGGATAGATGGATGCGAAATTAAGCACTGAAGTGGGTTGCTTGAGAGGCA
ATGACTGCCCCCTGCCCTCACCTGAAAATCCTTAAAGACANAAGGGATCATCCGCCANG
AAGCTGAGGCTGCAGGATAAGCTGGCCTTTTCTGAACAGTGACAGTTGGAGCGTTCACC
CTCACTGNNTTGTGAGAGTTACAGGCCAAGAAAGGAGAA

Sequence 1761

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGCCAGATCACAGGGGCTGAAAGAGAACTCT
GCTCAAGGATCTGTCAAAGGTGAGAAGGAAAAACACTTTTGATGATCAAGAAGGATCCA
AAAAGGAGCAACTATGCAGATGAGAGCATTTCCATTAGTCTTAAAAAAGACCTAC
TATATATTGATAAATTACTTACTAATTCTAAATTAATCAGGATACATTTACTATATGCTC
TGTGCTGGGTGCTAGAGGGTCAGGTTAGATAGAGATGCAAAGATGACAATAATAAAATG
TAGTGATGATTATAGGTAAGAGGAAAAACAAAGAAGAGAATAATGGAGGAGGCTTAGTAG
GAGC

Sequence 1762

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACATTGAGAGGTGAGCCCAGAGGGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCT
GTATGGTCGGTGTCTAGAGCCTCACAGCACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAATGTGCTGTTCAATTTTACATTCAGTGCCTGGAATCTTTCTTTCACAATTG
AAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTNAGCTCACAAAGGAAATT
ACTACATAAGAAGCAAGACCACAGACTCAANACGGACANTAAATTGGGATTTTTTTNCC
CATGGGCCTGGGAAAAGAA

Sequence 1763

CCCTTAGCGTGGNCGCGGCCGATGTACAAGAATCAAGAACAGCTGGGAATGAACAGCGGC
AATATCACTAGAAAGGAGGGGACACATAGGGAGGCAATGAATAAGTTCATTTAAATTA
AAAAAATTTGTTGNGTTTTAAAGGAAAGCGAAGTGGANAGAGAAACACACCACTN
ACAACAACAACAACAACAAGCACAGAATNGGATTNGGAGATTTGCCTGAGACANT
GAGTGTAGTTTAATTTTCATCAAGCTCCAGTGTNCTGAAATGA

Sequence 1764

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTAAGGTGCAGTCTCTGCCTTAGAGTTGNAA

Table 2

TCCAGGAAGGGGCTGCAAGAGAGACTCANAAGATGTGGCCTGACAATATATAAGCACAAAT
GTCTGACCCCTTAAAGAATGACAGGATTTCAACAGGCAGACAGGAGAGGAGGAGGAATTCT
AAGCAAAGGCTTTACATGTAAACGGTGAATTCTTAGATAAGATCTGTTTTCTATATACC
AGGAATAGTTTGCTGGCATTGAGGACCNAGGAGTAAGTTCAAATGAAAACCTTTAAATG
TTTCCCCAAAGTGTCATATGAAATTTTAAGGATGTGCCTATGGACTGGGAATAATCAAA
TNACATAAAATANACNTNAGTNACATAANCCATAAAATAATACCATTTTTTTCTACTTT
TAAATTTGGGCCCAGAATATAGCTTGCGGCGNTTCTTAATTGGATAAACTTCAGTTCA
TCACC

Sequence 1765

CCCTTAGCGTGGTTCGCGGCCGAGGTACTATACTTGGCCCTCTATAATTCTGGGTGTAATG
TCAGTTGGGTTCAGGCACATTACCTGCAGCAGCAACAAACACCTTCCTATCAAAGTCTCA
ATTTCCCACTCTAAATACCAATATGTCAGTGTTGAAGTTAAATTAGGTTTCTAACCCAA
TGCAGGGAAAAAGAGAATTGATGGCAAAGTCCTTGATATTAATTAGGTGAGTAAATGTTG
AAAATGACATTTTNAACAAATATGAAAAGATAACATGCCGGNCAGGATGTCCANCAAGCC
AAAGAGAAAGGCTTTCCTGAAAAA

Sequence 1766

NGGCCCCGAGGTACNCGGGAATCATTCCTTCNACAACCTGCTGCATGTCCCTGTGGGTGAAA
CAGAACAATCGCTTGCCCTCTCTGCCAGCAGGACTGGGTGGTCCAAANAATCNAGCAAAT
GAGAGTGGTNNGAAGGCTTCTTAAGCCGCANGTTTGTTCANNAAGCCCTGNGTGGAAT
CCTTGTAATNACAGTGCCCTTACAAAGGCTTANGAACCAACTACCATGGGGGATGAAAT
TTCTTTCAAATAAGGGGGCCCCGAANTNGGATCNTGTGGGTCCCTTTGGGGGACTTCAATC
NAAAAAGGCCTTTGGGTTTTTANGNAAATTTTTGGTCAAAGTTTTTTATTNCTTTCA
NGAAAAANTTTNTTCTTGGGNCAATTTNAAAGNAAAGAATTAATTTTTATTTAA

Sequence 1767

CCCTTTGAGCGGCCGCCCGGGCAGGTACACACAGTTAACCACAAAACAGGCCTCTCTGA
AAAAGCCATTGCCATGGACTGCCAGACAGACAATGACAAGACACAAATACCTTCTGGTGT
GTGAGCCACGGGACATGTGAGCTTCCCCGCTGATGCTCCTCTTATATCAAAGATCACTTT
CACAAGATGAGCGACTCAATATCTTTATCAAACCAATGATCACCTGCAAGCTATGGTAT
ATTTTTGCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAAATTGCTGATC
CAATAAATAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTAAGGTTTCAGG
AACAGTTGTTCTGACCTTACTATCCAACGAGGAGTAAGTCACTTCTCAGAGGTATA
TTAACCTAATTTGGACATCACAGAATGCCTGAAAAATAATCTTCANGTGCATTAAACCA
GTCCCTGGATCTATTAAAGTNAGCTTATTCACNCNNNNANANANNNGNAAAGTACCT
CGGGCCCGCGACCACGCTTAAGGGGCGAATTCC

Sequence 1768

GGTACAGATGGTGCAGCTTTATAGCTGTCTCAAATACCAAATGCCAACTGCTCCTTTG
ATAAGGCAAGGCGGTGTAAAGTTTTAAATATAGCCTCTTGGTGGAATGTCAGTGAATGAT
GGATCCCAGTTACAAACACACCAAAATATTCTNTGNTTTAAACATTTTTTACAACCATGG
TTGTGGAAGGATTCTATTATNCAAGGNAATTTATGCATGGNG

Sequence 1769

ACGCGGGTAAGAGAATCAAGCCAGTTAACTGTTTGGTGAGATCAGGTCTGTGGGATCTGA
GGCTTATACTGGTATTTGGGTCTAACATTTATTTCTAATGTAAGTTTTATTTATTTCT
TTCTTTAATAGGGAGAGTTTAAATGAGGTATTGGGATTGTTTAAAGGCCTAGTGAATGCCT
GGTGAGAGTGATCCTTGCTAAGAAATCATAAATGAGTAATGCCTTCACTGCACTTCAAGAA
ATGATGAGCTTGTCAAAACAGANGTGAGGAATTTAGTTTGCATCTTAATGAGCAGATACT
CTNTTTCTTNAAAAAAAAAAAAAAAAAAAGG

Sequence 1770

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGANACTTCTGGAGAGACCATTCAAGGCTTCTGG

Table 2

CTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAAATACNACTTCATCATACCTGANTTGATGTGCAGCNTGCAG
CCGGGATTCCTCTGAGGCGCTGTCNTATACGCCATCTGCCCTGGGCAANTTTCACNCTTN
CCTTGGGATGGTCCCNTGGACAANGAAGACAAAGGGAGGAAAGGCNCTTTAGGGATNTTA
CTTGGGGGGG

Sequence 1771

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCGCGGGAGTTTTAATTTTTCCAAAGTATCAT
ATGAATGGAATCATGTGATATGTAGCCCATGAATCATGTATATGGGTTTTCACTTAGTA
GAGCACATTTAAGATTCATCATTGNTACTATGTGAATCAATAGCTGGTTCCTTTTATC
TCCGCAGCTCCTACTGCACTGAGGAAGCACGTTGTTCTCCATTTCCCTGGGGGGAGACCA
TTGNATTTGGGCAGTTTGAACCAAAACACCATGGACTGGGGAAGGCTTTACACAACAGG
AAAATTTATTTTCTTTGCTGGGTCNTAGAAGGGCTTGGGGNAAAGCCTCAAGGTGCCATG
GCTGCAATATTTNCATTCTGGAGGG

Sequence 1772

GGTACGCGGGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTNCAGGAGCAGCCCCACG
CCCTGTATGGTGGTGTCTAGAGCCTNACAGCAACTAAANACCAACCCAGCTCTCAGAAG
AAGGAATGTCAAAATTGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTNAC
AATTTGNAAANTGAAATGTGCTGAAGGAGGTGAAATCCATGCATTAATCTTCANCTCACA
AAAGGGGAAAATACCTACCATAAGNAAGCAAAGGACTCACAAGACTCTAAGGACCGGGAC
ATTAAATTGGGATTTTTTTTTTGGCATTGGCCCTGGGAAAAGGAAANGGGTACCCTGCCCC
GGGGCGGCCCGCTTCGNAAAGGGGCCGNAATTNCAAGCNACACNTGGCCGGGCCCGTTAN
CTAGGTNGGANCCCCGAGGCTTCCGGTTACCCAAAGNCTTTGGGCGNTAAANTCATGGGGT
ACAATTAAGCCCTTGGCNTTCCCTTGTGGGTGGAAAAAATTGGTTTATTNCCCCGNTTCA
ACAAAANTTTCCACCAACCAAAACNAATTAACNGGAGNCCCCGGGGAAAGGCCCATTA
AAAGTNNNTTAAAAANGCCCCCTTGGGGGGGT

Sequence 1773

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGCCTTGTTCATATCCAACCTAATTTTTTT
GGCTAATTAAGTAATAATAATCAAAACACTTAAGGTTTTAAAGGATGAATGACCAGTTGA
GAGTTACTTCTTATTTGCTCCTAAATCCAATATATTTCTGATCAGTCAATAACACTTAG
AACATCTAGTTATAATTGGTAATACAATTGTTAAAAAATGATAATTAAGGACTAAGA
CTATATATGGTCTTTTGGGGGATAACAATTGAATTATTTAAACAAAGTATATTAGGATA
ATAAAACACGAGAAGTCAGTCCAGTGGTTCAATCCATTATTCAGAAATTCATTCTGTTA
TAATTAAGCAACAGTGACCTTCAGGTTAGTCTTCTTAGCTGTTAACAACCAGCTGGAGA
AGCTGAGGGCTATTTTTGCA

Sequence 1774

CCCTTAGCGTGGTGC CGGCCGAGGTACTTNTTTTTGTTNCTTTTTTTTTTTAAGATGGA
GTCTNGCTTTGTCCAGGCTGGANTGCAAGTGGCATGANCTNAGCTCTCTGCAACCTCTG
CCTNCCGGGTTCAAGCGATTCTCCTGCCNAGCCTTCTGAGCNAGCTGGGATTACAAGTG
CCGCGCCACCATGCCTGGCTAATTTTTGTATTTTGGTAAGANACGGGGGTTATCACANT
GTATGGCCANGCTGGTNCTTGAACNATGGACCTTGTTAATCTTGCNCGAACGTTTG
GCCATCCCCAAAAATGCCTGGGGATTACAAGGTGGTGGAGCNCACCCGGGGCCTTGGGN
CTAGTTTTTTTTAATTTTTCNTAAAAANAATAAGCCCCACCNCTTTTTAAGTCAAAATNA
GGAATTTTTTTTTATTTTTTAAAAAAAATTTTTTAAGCTTTTCCCAAAGGCTTTTA
ATGGAAGNNGCTTTTCCCCCTTTTACNTTCCCCCTTTTTTAAAAAA

Sequence 1775

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCTGTTTCAGGCCCTCACTGGGTGCCGGAGA
TCCACTAGAATACAAGATCTGTTTCTGTGCTTTGAGGGACATGTATCCAGCAATTAGTT
ACATCAGTCCCCTGTAGATGTCAATTCAGTGTCAAAATTTCTTGTTTGCAACGTTGA
GCAAGTTTTTTCAATGTTTCTAAGCCTCAGTTTTTGGCCCTACAAAAATGTGGTAATAA

Table 2

TATTTAACCATTAGTAATGTTGTTGAAAAATTTAAGCAAAAAATACCATGTAATATATTT
TAACCAATGCTTGGTGGTTCGTTAATGGCTTTAATATATGGCTAACCTANCTTTATATTA
ATTTGTTGGTTGTTGGTGTAAACATGCATAAAGGACAGCAAGGGTACCCTT

Sequence 1776

GGTACGCGGGTGAGATGGCAAATAATTTATTAATCATCCAACGTGTGTATCAGACACTAAGA
ATAAGCTGGGAGGCCATGGCAAGTGAGGTCAACACAGTCCCTGCCACAGTGGAGGTTATG
GTATACAGGTAAGGCAGGGAAGAGCACTGCAAAGGGTTTGCCCATTCATCAGTCATTTA
TTTATGCACATGTTGATTCAAACAATTAATTTCTATGCCAAGCTGTCNTTCAAGGTGCCT
GGGAGGGAATGAAAGCCGTTACCTGCNCCGGGCGGCNCGCCTCTGAAAAGGGGCCGA
ATTTCCAAGCACCCTGGGCGGGCCGGTTACTAAGNTGGGAATCCCGNAGCNTCGGGTAA
CCAAAAGCCTT

Sequence 1777

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACATGATAATTTTTCTAGTCTAGAGCTGGATGA
GAACCTGCTCCGTTCTGCTACCTTGTCAAACCCACCTACACCCCTGGCAGGGCAGATCCA
GGGGCAGTTNTCTGCCCCAGCCAACGTTGGCCTTACTTCTGCCACTCTGATCAGCCAGAG
TGCACTTGGGGAGAGAGCCTTNCAGGACAGTTTTCATTGGACTTTCATGACGGGCAAGC
CATGCCTTTCCAGAGGCCACAATTTCTTGCCCAAGCTTNGCTTGAAGCCAAGGGGCAGNA
TGACCCTAATTCACCTTACGNACAGNCAAAATACAAGTCAGTTNGATTCAACTNACAAC
CTCTCTTNAACCCNTATGGGNAAGGCCCAATTTATTGAATTAGGTTGGAGGCCATTAA
TGGCCCGNTTTTNCCTTAACCAAGGTGGAACCCATTATTCAACCCTTTTTTCCCCCAAC
AACAAAACAATTCGGTAACCCCT

Sequence 1778

GGTACACTGAGCCTAGAAATATCTTGTGGGGTCAAAAGGTAAGGCAGTGCTCAAAAAACAA
CAGTAAATGGCAAAATACATAGAACCCAACCTGAAGGGCATCCTAATGTAAATCTAG
AAAAATCTGAGCACAAAAATGTATTATAGTCATGGGTATAACCAATATAATGAGAAATCCA
AGAGTCCAGACTGATTTTTAAAAAATTGCATTTTTTCAATATAAAAGAAAATATCTTCCT
TATAGTAACATTTTAATTGACAAATGTAGAAGTAATGATGGAAGTAGAAAATCACTGTTT
GGCACACACTGTAGTAATAACTGTTTCAGACAAGAATTATCCACGAATGCTAAAATTAGT
TTTGGTGAAAGGTNTGATGAGAAACAAGGATTCTTACATAGGGTCCAAAGCATCTNCTGA
CAAGATACTTATTCATTNACNGGAAAAAAATAGTA

Sequence 1779

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACTCCTCACCCAGCATCCATAAAAG
CATGCTGCACCTTTGGCACAGCGCGACTTCCCTGGCCCTCCCCCTGCGGACCAGTGAACC
TCGCCCCAGGGGCTCAATAAAGAAGATTTTTGCCCTCTTTTTCTACCTCTCAGCCTTATT
GATCCATGGTGCCCTTCCATTGCCCTTTCATTGGTGCCGAAACCCGGGAGGGGACACCTCC
TAAGCCCCCCCAGAGGCTCAGGGGGACTCCCTCCTGGTCGGATCAGTCCTCTCCCTCAG
TCAGGTCAGGCTTCTCCTCCACGGCCATCTGTCCATTTGTCGCGGTTACTTGCTGCCAGG
TCGCAGTTGCTGCAGCTACTCCAGTCCAATTCGGCCGACGCTAGATCAACTTGAGATGCA

Sequence 1780

GCGGCCGAGGNACTCCAGCCTGGCTGACAGAACAAGACCCTGTCTCAAAAACAAAAACAA
AACAAAGTTTCTTGTTTGTTAATCATCAGCTTGTTGATAGAAAATCACAGAATTGGAGA
AATATTTACTATTCCTTTCTTTCTGCTAATACCACTAATCATTTTCTATGAAAGACCTGT
TCTTTTTTTGGAACCTATGAATAATGTTAGGAAATGGGAACATTGGATGTTTTTAAATGT
ATACCATATAANCTTCCCAAAATTAATTTATTCANGGGTGATCCCAGGTTAGGTTAGG
ACCCTGTGGACCTCTTGAAAGGCCTCCCTGCTTNTCAATCCCTTCCCTTCCCTGCNT
GGNGGAATTTTGTTGGTCCCTTTCCCCCTTCCCTGGCTTCCATTTNCCCCCTTTGGGG

Sequence 1781

TTTTTTTTTTTAAACCTTGGAAGAATATGTATTTTCATCTCCAGGATGAGAGCCAACCTA

Table 2

TGTTAGTGAGTAAATAGAGTTAATACTATCCTGTTTTTATTTTTATACCTCTTAAAAAA
GGAACAAAAAAAACCTTAAATCAAACCTAAATTATTTTNGTCTTTTATGTTTTTT
TCCATTTCATTCTTTAAATGCCAGCTCCAGTGACACTTTNTTTGTGAAACTCTCCCTGCCC
AGTCACTCTGAGCAAGAGTTAAGTATACCATAGAAAGATATTTAAATTTCAATCACTCCT
CTTAAGACTCCTTCTTATAATCTATTGGAACCATTCCTTCTTCTGCGCTTTCCTACTA

Sequence 1782

ACACAGCATGCAGGCTGCAGCCTGGGCCCCCTGCCAGGCAAGATGTAGGGTGTGAGGTTGT
GCTCTGCCCCATTCACTCTGGAACAGCTCCGCCCTTGAGTCCAGGATATTTTCTCAGTGC
CTCCACGCATTTGACCATCCAGAAAACATCCCAACTCAGTGTGCCTCGGCCACCATAAAT
CAGCCAACACACATGCTGCCCTCAATGCTTCTGAATATCAAGGGAAAGGATCTGCCTCA
TCCTGCCCTGCTCCTGAGGCTTGCAGATTGACGCTTGAGTTATGTCATTATTTTTTTAAG
TGATAGAAATCTAGTCAATGATTTGTAGCAATCACCCTGTGCAACGTATGCCAAAAAAC
TCTGTCTATCCTTACAGAAGGAGGGAGAAACCTAGCAAATTAGTCTGACTTCCTTGACAC
AATTCTGTGGTGGGCCAGTATTAGGTAAAGGCTAAAATCAGGTGCTGTGATTAAAGATTA
TGACAATGTGAAAAAGTCAGTCATTACATAAAATTAAGAAAATGTTTTCAAAGGAAACCA
AGAGAGGCACATCCTTGGGAGGTCAAGGGTCCCCAGAGGTCAAGAAGGGACAATAAANG
GCATTAAGGTTTAGAAAAGAAATAGGCTGTCACTATCCCCCTTTTTTNT

Sequence 1783

CCCTTAGCGTGGTTCGCGGCCGAGGTACGCAACATGACATTGGCTGGTGTAAGATCNTAC
AATTATTTTTAAAGTTTCATTGTATTCATTGATTATATAGTTTCTTGCCATCACAAACAA
ACACTCCTATTATGTCTAATTCGATACCTGGTGAGTCCACATAAGCATTGTTGGGTCCCCA
CTGATGAGAGCACCATGGCCAGGTACCCACTTGATCAGGTTCCTTGCTTTTGTGTG
CATCTCATCTTATTGTAGGCATTCAAACCTGTGGGGCTCAGGCAAGCCTTCCAGTGTGAT
CATATTAAATTTTATA

Sequence 1784

CCCTTAGCGTGGTTCGCGGCCGAGGTACAGTAAAACTTGTGGCCATCTCATCTATGCCTG
CAGGCAACTGAAAAGCAGTGATTTGGACCTTTTTCGAGTTTGGATGGGAGTGTGGACAGG
GCGGTTAGGGGGCTGGGCCAGGTCATGTTTCAGTTTCTAAGCCAGGGGTTTACTGTGG
AGTAGGACTGTTTACTCGTTTTCTTAANACTGCTGGGTGCTTTTGCTTGCTCCTTGGCTC
TGGGCCCTCTTTTGGGCTTTCTACANTTTGGGGAATGNGCGGGTTTCTNGGGTGGGGG
AACTAAGGGNTGNACCCGNTTNGGCCTTGGAATTCTCNCAGCCCTTTCNANCCGTTTNGCC
GGCTTCTTTCTTTTGGGCTTTGGAATTCTCNCAGCCCTTTCNANCCGTTTNGCC
TTTGGAACCTNTTGNCTTGAANAAGGAATTANNCCNAGGGCNCCTTGGGGNCAAGNCCG
GGCNTGGGTTAAAGGAAAATAANGTTTCAANTTGGGGGGG

Sequence 1785

ACTTTAAGAAGTAATGCCCTTGAGTTAGAAAATCATCATTTTAAATCTCTGATGATATA
ATGGATTTAGGCAATAATCATCAAAAACTAAGTTAAGACTACAACCTGTCAACCAAATA
CCATGTGTAGACCTTGTTTGGATATTGACTTAAGCAAATAACCCTACAAAGACACTTTTA
CAATCAAGAAAACTGAATGGGACTGCGCATGGTGGCTCATGCCTATAATCCCAGCACTT
TGGGAGGCAGGTGAATTGCTTGAGCCCAGAAGTTTGAGACTAGCCTGGGCAACATGGTGA
GACCCTGTCTCTAATATAATTTAAAAAAAAGAAAACTGAATGTGAATGAATATTAGAC
AATATAAAGAATATATTTTGTGTGTTTGACAAAGAAAATGTGGTGGTGGTTAAAGGAA
TGGAAAATGACTTATCTGNTTATGTCTGGTTCCCTGGTATTCTATTTGGCCTTTTGGAC
TGGTGTAGCCGTATGCATATGTTACCTCTTCAAAATATTGATNTACAGCTTAAAAATGA
GGAGNAAGTTAAATTTNTGGNCTTTTTTNAATTTTTNTTACTGNANAACCNATAAAGAA
ATCTTTTTAAATNTNCTTTTAAAAATGGTGACCACNNGGNATTTTGGGGATCTTTTGC
TTTTAAAA

Sequence 1786

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCGGGGGGCCATTGAGACTG

Table 2

CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGT
CTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCCTGAAG
CATTCCATGGAAATACACCAGTGNAGAAATTCCTTGAAATTTGNAAAGTTGTCTGGGGT
TTAATGTTTNAAGCCTTTGTCCAGCTATCC

Sequence 1787

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAACCTGCTGTCCCCAAATAAAGAACTTACATC
AACAAAGGAATATAAAAATGTTATTTAGGACTTCTGTTCTCAGATGTTTATACAAAGGAG
AGATTGTTGTGCCAGGGAACAAAGTGATCCAATATCCACGAAGCCAGAATTCTCCTACTG
CACATTTTGTTCACAAACACTAAGGAATACAGCAAGATTTCAAGTTGGAGTAAAGAAGC
TACTTCTGGAAACAAGAGAGGAGATAACTGAGGACTTTCACAGAGGGGGCTGAAATCCTTC
CCGGAAACTGTGCTCATCAGGGAAACCTCAGCCTAGGGGGCAGCGAGGGTGGACGGTGAG
CTGACCTATCCCCAGACATGTGGAATAGGTATTGGGTGTGCGGGGGGTGCAGTGCAGAAT
GAAGGCTGGGAGTTGTTAAAGCTACAGAATATTCTAGTAGCATACCACGGGGAACTCANG
GACCTCAAACGTTTTTCAAAAATTAACCTTTGGGGCTCAGAGTTTCAGGCAGTCCAATGT
AATTTTACTTCCACTGGGATT

Sequence 1788

CTCCAGCTATACTGCCAGGAATCACTCTACCTCCCCCATCCCTGTTGCTGCTGCACCTC
AACCTGCTACTTGAAACCACAGGCCAGCAAAGAACTGTGCTCCAAGTGCCCAAACCAA
TTCAGTTCCCTGTTCCGCAGGAATCAGAGCTTCAGCATAGGGAAGCAGCCATGACCCAG
CATCGAAGCCCATGCTGTGCCTTGCCCTTAGGAGACCAGGTGCTCTCATCTAGTGGA AAA
GCTGTACCTCGGCCGCGACCACGCTAAGGG

Sequence 1789

CCCTTNCGAGCGGCCGNCNGNCAGGTACCACCTATGAAGAATTCTGCCTAAAGATATTA
AACCTGAAGCTTATNAAATCTGTAAATCTGACTACGACTTGACTGAAAAATTTAGTGGCAA
AGGAATATAGTAAATGACATCACAAAGGATATAGCATCCAAACCCAGAAAGCGGATATTCT
TAGGATAAATGACCCAGTTCCTCAACAATGAAATGGCCTGGAATAGAAAAAGAGGGA
GAACTTAAATAACATACCAACCAAATATNNGCACATGGATCCTGTTTTAATATGGATT
AGAAATCCAATTCTGAAATGACATTTTTAAAAATCANGAGGCCCGGGCGTGATGG

Sequence 1790

TCATGTCTGCGGAAACCCCTCAGTCCTGGGCAAACTGGAGACCGGTGTTATCATACAAA
GAGAAAACCAAATAAGACTAAAATTATGTCCAAACACTTTTCATTGTGGCTAGGAACACAA
GTTGAACACCCTAATAAGGAACACAAATAATAAAGCTTGCATTATTGAGTGCTTATATG
AGGTAAGTATTATACTATTATCTCCATTTTAAAGATAAGCAAACTGAGACATAGTAAGGG
TAAATAAGTTAGTTAGTGAAGGCACCAGAATTTAAACCCAGAAAGTTGGTTTTAGAGCA
TACACTACAATCAGCACTG

Sequence 1791

CCCTTAGCGTGGTCGCGGCCGAGGTGCTTTTTTTTTTTTTTTTTTTTTTTNGAGACGGGG
TCTCCCTATATTGCCAAAGCTGGTGTCAAACCTCTGGGCTCAAGTCTNTCCTTAGCTTCC
TAAGTAGCTGAGACCAAAGGCACAGGCCACCGTGCTGGCTCTACTTCTCACCTTAACTA
AATAACCATCCACCTGAGAAATAACATNTACATGTAAGCTTAATTCAAATATTCAGGTTT
TGTGATCCTNAAACGTGAATGATCANAATCACCTAGGGAGCTTTTTGAAAAATTAATC
CCCCCTCTACATCAGTTTCTACAGGGAAGTTTGGGAATTCATGTCTTAAAAA

Sequence 1792

NTTTTTTTTCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC

Table 2

AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCACCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTGTGCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCT

Sequence 1793

NTTTTGNTCGCCACAATTTTGACCTAGGCAGGAAGCTTTACAGCTTGAGGCAGTTTCATG
GTCTGAAGACAAACTTCTTGACTTGCTGCCGGTGTGGACTGCAGGAGAGAGCCTCAC
TGGGTGAGGAGCACGAGAACAAGTGGATCCCACTACCACATCCCACCCCTCCTGTTTCA
GAGGCAGATCATGGGACCAGGACTACTGAGAGTTCCATGGCCCTACCCATCATCTGAAAT
GCCCCAAGAACTTCTCCCGATTAACAAGGTCAAGCATAACTCTATTGCCACCACCACAG
CTGGTTCTCACTTTTA

Sequence 1794

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTCTTTATGAATGTTATACCAGAACTTAG
GAGGAAAAAATTTTTGAGCATACTGAATATTAGGAATTGGATATCTCCCTAAATTATTA
AGTTCATCTTCCATAAATTCTGTAAACTGAATGTAGTATTTCCCTCTTCCCATGCAA
GTAAGTATATCACTTTAGAAAACCTGATATGAACATTATTTGTTATTGTGCTTTTATGA
AGAATTCTGTCTAATCTTCTCATAAGAAGAAAGAAATTAGAACCAAAAATCTAATTATCAG
ATTTAGTAAGGATGTAGGCAAGAATCCACCTATTTTTTTCATTTATGTCTTCAAAATCA
ATCACATTCTATTATT

Sequence 1795

GGTACGCAACATGACATTGGCTGGTGTAAGATCTTACAATTATTTTTAAATTTTCATTG
TATTCATTTGATTATATAGTTTCTTGCCATCACAACAAACACTCCTATTCATGTCTAATT
CGATACCTGGTGAGTCCACATAAGCATTGGGTCCCCACTGATGAGAGCACCATGGCCAG
GTCACCCACTTGATCAGGTTCTCTTGCTTTTTGTTGTGCATCTCATCTTATTGTAGGCAT
TCAAAGTGTGGGCTCAGGCAAGCCTTCCAGTGTGATCATATTAATTTTATATTTATGT
GTTAACATGTGCCTCCAATAACTTGCTTTCCTTGCTCACCATGGTGATGCATTTTCTCT

Sequence 1796

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCGATGAAAAGTTTGGAGGCATGTCACAAGT
TTGGAAATAATCTAATGTTGTATTGACTTTTCAGGGTCTATTAGTGAAAACACAATCAA
ACTAAATTTTGATATATTAAGACAGATGTATAAGCCTATAATTTTGAAATCAGTATCC
ACCTGACATTTATCTCTCATTCCATCAGCTGAACATTTGGATATTGATTTCTAATTTTGT
ATTTATCAATATAATGAATATTGACTGCCATAATGATGTCTCAATGACATTTTCGAGCCC
TAGAGTAACTTACAAA

Sequence 1797

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGTAAGCTGGCTGCTATTTCCGGTGCCAGCT
CTGCCGCTTCGAGGAGTTGCAGATCAAACCTCACTTTCTTCACACAGGCTCCCAAAGCTCA
TATCAGAGAGCTGGCATGACTTCTCTATCAAAGTAAAGTTTCAGATTCACAAAGAAGTT
CGGTCAAGTTTCGAAGTTGAGACAGTTTTGATTTTAGGACTTCAGGAAGTGGAGGAAAGT
AATCTTCATAGGAACCATTTGGAAGAAAAGATTTTTTAAATCGTATTG

Sequence 1798

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGTAGAGATG
GAGTCTCTATGTTGCCAGGCTGGTCTTGAACCCTGGGCTCAAGCAATCCTCCTGCCTCG
GCCTCCGAAAGTGCTAGGATTACAGGCGTGAGGCACCAGGACCGGCCAATAAGATGTATC
TTTACATGCATTCACACTCTCAGTCTTCTCACACACCCGCTGCTAAGAGAAGAATT
CAGCGCTACCAAGAGAAAATTTCTCCAGGGCTCCTGCCTTCTGTGGTGAAGTTTCATCTT
GACTGAAAAATAGATTCGGG

Sequence 1799

CCCTTAGCGTGGTCGCGGCCGAGGTACGAGAAAGATTTAACTGCTTTGAAGTGGATATAA

Table 2

ACCAGAGACCTACTGAAGTCATTTATCTGACTCAGTGTGACTGCTCAGCATTTGTAGAAA
TTGAGTATAGTGAGAGTATAGTGAGGCTGGAGATTTATGAAGTCATGAGGAAGAGCCTT
CCAGGCTCTGATCCGAATGAAATTCAATTACAAATGGATTTGAGATGAATCTTAATACAA
AAAAACAGTGTGACAGTGTCTGAGGAATGGGTCTACAGAGCCTTTGGATAGCTGAATTG
TAGAG

Sequence 1800

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACACCACTATCGCTGGCTAATTTTTGTATTTTT
TCCAGAGACGAGGTCTCACTGTCTCACTGAGCTCAGGCTGGTCTCAAATTCCTGAGCTCA
AGAGATTTACCAGTCTCAGCCTTCCAAAGTGCTAGGATTACAGGCATGAGACACTGTGCC
TGGCCAGTAATTTTGTATTATTAATTAAGGTGAGGTTTATACCACCTTCTTCTGATTAC
AGAAGTAATACATGCTCATTATGTAACACTGAAAATGTAAGCAGTATAAAAAAGAAAATA
AAAAAGAATATGAAAATCAC

Sequence 1801

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTAATACACCATCCTGGTGGATCTGGCGC
AAGGGAACCTCCACACAGAAAAACACTGCCCTCACGTTATGAAAGGATTCAACATTATTCT
CTCTTTTGAAAGATAATTGGCTTCAAAGAATAATTGAAAGTTAGAAACTTGGGTCTTTTA
CAGAACCAGGTAATATCTCTACTACTCTTTTGGGAATTAGTCTTGAACCTGCAGCCACTGT
GAAAGCTTCTGGTGTTATTTAAATTAATTCTTGATTGNTATTAAACTT

Sequence 1802

CCCTTAGCGTGGTCGCGGCCGAGGTACTGGATAATGCAAAATTCACCTTGAAACTTTTTTA
TTAGAATATTTGCTTGCTAATTAAGATGGAATAGAGCAATATTATAATAAATGTGCAT
AGCCTGAATACAAAGGAGCTAAGAGATAACGGAATACATACATACTTGGCCAAAGAAGAC
AGACCACAATTATAAATATAGCCTAGATATATACAAAGCAAATGGTCATGCATTAACACA
TTAATTGAAGGTGATGAACCTGAAGTTTTATCAATTAAGAAAACATTGCAAGCTATATTCT
GGGCCCAATTTTAAAGTAGAAAAAAA

Sequence 1803

CCCTTAGCGTGGTCGCGGCCGAGGTACAGTAAGAATTTGCACTGAGTGAGATGCAGGTGG
TGTTTCTGAAATGGAAAAGTAGCCAAATCAGAAATTTATTAGTAGGAAACACAAAAGGAA
TCCAAGGGATGTTTCATCTGTAAACCTGAGAGAAGGTATTTTAAACTGTGCTGTTTACA
TTGGCAGGTGACTACTCACTCTAATAGCTCCTTCCTGCCTCTGGTGATACTAATGGACAG
GGCAAAGTTCCCGAGCATACCCATTACAGCCTGCAGCCACAGGGAGTTAGCGAGGGGCTA
CACCCCTTTGCCTGGACA

Sequence 1804

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACAGAGACGTTAAGCAGCTTGCCCAAAGTAAGG
CATCTCTGCTAATTGACAGAGCTGAAATTGAACTCAGGAACCTTCTAGATTCTATGTATT
TGGCTTTTACAACATCATTCTTGTTTTCAATCCTTGTCATCTCTGCTGTGCCTGAG
ATTCCCAAACGAGTTGTGGTTAACCAGAGAATAACCCTTCAGTGCCTGATGTTGGTGG
AGAGAAGAATTGCCTAGTTACATCTCATATGGCTCAGCAGGGGAGAGGAGTGCCCTCATG
G

Sequence 1805

CCCTTAGCGTGGTCGCGGCCGAGGTACGCCGGGGACTCTTTCTTGAAGTCCAAAGGAGAA
TCCTCAAAGAATCTCTGAAGAAAATTTGACTCCACTGATTACCATCTGTTGGTGACACTC
TGCTTCAATTATTCTTTGTTCTGAACTCCAAGGACTGTTTAAAGTTCTACAATGTCTGGC
AGATTGAGGAACAAAGATAAGGGAGAACAAGCAGAACTGGTCAGAGGGCAAATCCAGAC
AGAACCTTTGACTTGGTGTTGAAAGTGAAATGTCATGCCTCTGAAAATGAAGATCCTGTG
GTATTGTGGAAATT

Sequence 1806

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTAGTGGCTTTAGTTTAAAGATATGCTTCA
TTACTTCATGCCAAATAGTCAATAAAAGGTTTGAATTCAACATCAAACCTGGGTAAGTCC

Table 2

TTCTTAAATTTGTTTTTAAAAGCAAAAGATCCCAAAATACCAGTTGTCACCATTTTAAAA
GGATATTTTAAAAGATTTCTTTTATGGTTATTAGTAAGAAAAATGAAAAAGTCAGAAAT
TTTACTTCTCTCATTTTTTAGCTGTATATCAATATTTTGAAGAGGTAACATATGCATACG
CTACAACAGTCAAAA

Sequence 1807

CCCTTTTCGAGCGGCCGCCCGGGCAGGTAAGTGTGCTCAGAAATGTGACCAGCAATGTAAAC
CGACAGAACCAATGGCTTTTATAGAAAATAACAAAGTATTTCCGATCCTTTTTTAAGTAGA
GAATTTTCTCCCAGCACATCCTATTTCCAATTGTGTGCAAAAAACCTTCCAGCTTACAAA
TGTTAATTCGGGGGTTGGCAAATAAAGGCCAGAGGCCAAATCTGGCCCACCACCTGCTC
AGTCTGCAAGCTAAGGATGTTTTCTTACATTTTAAATGGTTGGGGAGAAATAGAAAGAG
TATTTTGA

Sequence 1808

CCCTTTTCGAGCGGCCGCCCGGGCAGGTAAGTGTGCTCAGGCCCTCACTGCGTGCCGGAGA
TCCACTAGAATACAAGATCTGTTTCTGTGCTTTGAGGGACATGTATCCAGCAATTAGTT
ACATCAGTCCCTTGTAGATGTCAATCCAGTGTGACAAATTTCTGTTTTGCAACGTTGA
GCAAGTTTTTTCAATGTTTCTAAGCCTCAGTTTTTGGCCCTACAAAATGTGGTAATAAT
ATTTAACCATTAGTAATGTTGTGAAAATTAAGCAAAAATACATGTAATATATTTAAC

Sequence 1809

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGAAACAGGCTACTGCTATTAAGGATT
GCACAACCTTCTGGGCAAGGCAGAGGTGGGTTTGGCTTTTTAAAAATTTTTTCAGCCTGTCT
CTCATGGAACCTACATATTTCTTTCTAAGAACTTTTCATCCTAACCTCCCTACTCACATCT
TCTAAGTGTCTCTGCTCTGGTGGGAATGTGATGGACAACACAGAGCCATCTCAGAAGCCT
CTGTGGCCACCACCAGGCCGCCAGGGTGCAGGGGGCCACTCCCTGGGCAGCCATAGGGT
TCTCAGCAAGGTGCATTGCTCGTCC

Sequence 1810

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGGGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTATGTCCAGGAGCAGCCCCACGCCCT
GTATGGTCCGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAAATGTCTATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTACAATTGA
AATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATAC
TACATAAGAAGCAAGACCACAGACTCAAGACG

Sequence 1811

CCCTTAGCGTGGTCGCGGCCGAGGTACGAGAAAGATTTAACTGCTTTGAAGTGGATATAA
ACCAGAGACCTACTGAAGTCATTTATCTGACTCANTGTGACTGCTCANCATTTGTAGAAA
TTGAGTATAGTGAGAGTATAGTGAGGCCTGGAGATTTATGAANTCATGAGGAAGAGCCTT
CCAGGCTCTGATCCGAATGAAATTCAATTACAAATGGATTTGAGATGAATCTTAATACAA
AAAAACAGTGTGACAGTGTCTTGANGAATGGGTCTACAGAGCCTTTGGATAGCTGAATTG
TAGA

Sequence 1812

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACCTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTACCTTCCCTGGGATGT
CCCTGG

Sequence 1813

CCCTTAGCGTGGTCGCGGCCGAGGTACACCAAATTTACTTAGACATCCAGGCCAGACGTG
AAGAATTTCTCTGTGATCTAGTAAGCTCCATCAATTTAACATTTTGGCTTCTCTGGGG
CAAAGAGAAGACTGCCAAACAGCACTGGTGCTGGGGGGGCACCACTGGTGACATGTGGCA

Table 2

GTTCTTGAAAGAAAA

Sequence 1814

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT
GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
C

Sequence 1815

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTGCTAGACACTGTTCTGAGTGCTGGA
GAGATAGCAGTGAATGAGACAAGACTATGTCTATGCTCGCCTAGAGATTTCAATTTCAA
GGGTAAAGGATAGTGAAGAAATAACCAATAAATATCTACGATTGCTCCACATGGTGAAAG
GTGCAATACAGAAAAACAAATCAGGATGCAGGGATAGAGAGGGAAGCAAGTCACAGGTGT
TGGACACTGTCTGAAGAGCGCCCCCGTGAGGTGCGGAGTTTTGAGGGCCATT

Sequence 1816

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACAGCTAACTGTGCTAGGCAGGGCAGCCCTGTG
AGTCTACTGCTGTCTTGGTTTTACAGAGGGGGAAGTGAGGCACAGAGAAGTTAATTAAC
CTCTGAAGTGTTGCAGCTAAGGCACAGAGGCACAGTTCAGGCAAGGTTCACTCTGAATC
TTAAGTCCTCACTCTTTGCCGCCATCCTCCACTGCTGAGACCATCCCTGTGAGTCTCGCC
GCTCTCCTCCCCTGGTCCATATTCAGTCTCAATGAGGCCAAGGAAGCCAATGGTCG
T

Sequence 1817

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTNT
GGCTCTTGACAAAAATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGC
GGATTCTNTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGT
CCCTGGACAAGAGAC

Sequence 1818

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTGCCAGATCACAGGGGCTGAAAGAGAAGTCT
GCTCAAGGATCTGTCAAAGGTGAGAAGGAAAAACACTTTTGATGATCAAGAAGGATCCA
AAAAGGAGCAACTATGCAGATGAGAGCATTTCCATTAGTCTTAAAAAAAAAAAAAGACCTA
CTATATATTGATAAATTACTTACTAATTCTAAATTAATCAGGATACATTTACTATATGCT
CTGTGCTGGGTGCTAGAGGGTCAGGTTAGATAGAGATGCAAAGATGACAATAATAAAAT
GTTAGTGATGATTATAGGTAA

Sequence 1819

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTCTTTTAACTGTTATGGATGTATAAG
CACTATCTATGATGGACGAGGCATAGTGCATCTCCTAGGCCGGAATGTTTCACTCACTA
ATGAGCTGGACAATTCTACTCTGTGAATTTAACTTTCTGACTCCCTTATGCAGGTTAAT
TTTGGAACATATCATATTTTACTCTGGCTTGGTGGGATTAGGTGGGAAATTACAGATTG
CATCAACAATTTGGTCTGCCTGGATACAATTTGGTCTGTTTCAGTCACAGCCTGGGTAC
ACCTGTTGATATATTTTTAA

Sequence 1820

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACCTCATATTATTCCATTTAGCCAAAAGAGAG
CTACTCCCATTCAGGTGCATTTTAGTTTTATTTGGCTTCGTGATTGCCATTCCTTCATA
TAGTAATAGAGAAAGCCGTGATATGCAGATAGACCAGATGGTCATGTTGACAGATTGAGA
ATTCACCTTCCTACTGCCTCAGAGCAGGTGTAAGATTAGGAGTGCTGTGTAGGGGCGTGT
GTGTGCTTCGTGTGCATGTGCGTGACATCCAGGCTGCACAGAGTGCTGTTTGAGCAATG
GGAATGATTTCTTTTTTGAAT

Table 2

Sequence 1821

GGTACAGNNTCTGAGTATGGGAACCTCCCTCCCCAAGTGGTGGGAAGTTACAGNTAACTA
CAGCTTACTCAACTATCACTTCCAGAGGTTTAGTGTTTTAATATGGGAAAGAGGAGAAA
TCTCAGGTCTAATCAGGGTTCTGCCCATCAGCTTTTCACTGAAACTTTTCAACATGTGT
TNNGNTTTTTGGTTNTTTTTTCCATCTNTCCAGTTTCTANCCCTGGTGTATGCCTTCATC
CCTCCGCGGTTCCNCCATTCTATTTNTTATGGCTNTTTTGGGTNCCTCCCTTTACNCAG
CCTTCAATGGTNCTNCCATGAAGTTTCAANGCTNGTACCNCCTGTCAATTTTTGGGGGA
AACCAGTANGAGGAAAAAAAACCAATAGGAAATTTTTGGCNTTGAAAAAAA

Sequence 1822

ACGCGAGGAACCTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGG
TGCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCANAGAAGGAATGTCAAAAT
GTCAATGTTCAATTTACATTCAGTGCCTGGAATCTTTCTTCACAATTGAAATGAAATGT
GCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAGGAAAATACTACATAAGA
AGCAAGACCACANACTCAAGACGGACATAATTGGAT

Sequence 1823

GGTACAAAAGGACAGGCACTGACTAGCAGGACCTGGCAGAACTATGTCCCTNCCCNAA
CCACCCACCCGTGAGGAGTGCAGAGCTCANNTGTGGCCTGGGGAGAAGAGTCACATCATC
AATGGCAACAGGACCTTTCCACGANTTNTCTGGAAATACTCCAGATTCTGCCACTCTG
GGAATATTNTTTGAGTCTCATGATTTAAAAAAAT

Sequence 1824

CCCTTTGAGCGGCCGCCGCCGGGCAGGTACATTGTTAATCCAGGGAGCAAGGTAAAGC
TGCTACTTTCATTATTCACATGACCACGAAAATAAATTGATTTTTTTTTTTTACAAAT
CTATTCTTCCAATGTGATTAATTATACTATAGGCATTTACCTTTATGGTGAATCTAT
TTGTTCCACTAAATGATCCATAGGCCTCTACTATGATGGAGACAAAAAGATCTTTGAAT
ACAAAATTCAATCTAATTATTTGGCTATGAAAATAAATGTTTATATTATCTCNATTTAC
CACATAAAGTTTTGTCANGNTCTACATTANCCCTATTTCCACAGGANGCCTTTACAAAAG
GTCATTGGGAAAGATAGCAGATGTTAAACTTTTCNTATTTTAAATTTAATTTAATTA
AAAACCTTGGTAT

Sequence 1825

CCCTTTGAGCGGCCGCCGCCGGGCAGGTACGCGGGTATCACCTCTCCTTGTGTCAGTAGT
TTCCTTTCTGCAGACAGGAGTTCCATGTGCTGGGAAGAGGGCCATTGAGAGCCTCGTATT
CTCATCCTCTCAGTTTAGCAATGCGAGAAGAAAAAATTTTGTCTCACAACTCATATAC
AATCTCAGGAAATAGGCTCTTATTTCTGGCTTGAGGCTGTCCAGAGGCACAGGCCTG
TNGATGGTCTCACTTTCTGTCTGGATCTATCTGGTGGGGGCCAGACAGCANGGATCT
ATTTTCANGAAAATATGGCCGAGGAGAGGNAAAAAATTTATGTGGGCCCGTAAAAAACA
GGCGGNTTTTTCAAGGTGGGGCTATCCCCCATTCCCACNATTCATTAACCTTTTTT
NTTGNCTTGANGGCTTTAAAAAGG

Sequence 1826

CCCTTTGAGCGGCCGCCGCCGGGCAGGTACCACATGAGCCAGCAGCTTCTCCTGATGCACA
GTGCAAGAAATGAACATAAGTGGTAATAATAATATTCAGTGAATGAATGTAGGCCTCAC
ATATCTTTTCCCATAGAGAGATTGAGGTTGGTAAGTAATAACAGATCTGGTGACACTGT
CTTCTACTTTAGAGACCTGATATTGGCTAGAGGTGGGGTAGGTAAAGGGGAGGGAATAGG
CTTTTATTAGGTTGGTGGGTAAAAATTTGCTGTTTTCTGAAAGAGTTGGACAATATCAAAG
AGCTTTACAGTGTTTATTAGTCAATTCTCATTAGCCCAATGATTCCATTTATAGACATGT
ATAATCAAAATNCCCAAGCAAGATTTACATTTCCAAAATNTGTTTTANTNGAAAGTTC
TTATTTTATAAATANCAAATGCCAATTGGAACATTAATTAAGTTATTNTATTTTAAACAC
CGTTAATNGTAAATTAACACCAAAATATTTCAATGGGTAT

Sequence 1827

CCCTTTNAGCGGCCGCCGCCGGGCNNGGTNCAAAACAAACAGCCCAACAATCTNTAATGG

Table 2

TGGGGGAGTAAATANAGTGACCGATTATGCTGGAGGAAGAGGAAGTGAATGGGNNCCCAA
NTNTAGGNTAGGAATGAAAAATCCCTACCAATGTAAATCAGNATATAAAATACACAAAA
GAGTTCATGTATGTGTGCGGGAAGGAAAGNTGATATTTNGGGGGTTGGGANGGTGANACA
TGNGGGTNCCNAGTACATATNNACAACTNNTTTANTCNCNTNCCAAAGGTCATGGGGAA
TGAGCATT CNTTAACATTTTGATACNTCATACCTTAGACTTGACCCNTNGGACCTTTTG
ATTGNNCATTGGGGAAAAAATT

Sequence 1828

CCCTTCGGCCGCCCGGGCAGGTACCTAAGGTGCAGTCTCTGCCTTAGAGTTGTAATCCAG
GAAGGGGCTGCAAGAGAGACTCAGAAGATGTGGTCTGACAAATATAAGCACAATGTCTG
ACCCTTAAAGAATGACAGGATTTCAACAGGCAGACAGGAGAGGAGGAGGAATTCTAAGCA
AAGGCTTTCACATGTAAACGGTGAATTTCTTAGATAAGGATCTGTTTTCTATATACCAGG
AATAGTTTTGCTTGGCATTGTGNAGGACGAGGAGTAAGTTCCAAATGAAAACCTTTAAAAAT
GTTTCCCCAAAGTGTTTCATANTGAAATTTTAAGGATGTGCCTTATGGACTGGGGAAATAA
TCAAAATNACATAAAAAATAAACATTTAAATANANCATTTAAACCCATTAAAAAATTAAAT
TACCCATTTTTTTTTTTTCTTACCTTTTTAAAAAATTTNGNGGNCCCCCAGAAATTATT
AGGCCTTTNGCCGGGGGGTTTTTCTTTAAATTTGGAATTA

Sequence 1829

GGTACATGCAATATACAATTATTTGAGATAATTAAATATATGAGATAACGTAGAAAAGGA
AACAGAAAAGTTGTCTTAGCCTCCTAAATCAGCCTAATGCTTAACCTGGAACCTCAGGTGG
AATAGGCTGTTTAGCTCTAATAGTTAACAGGATCTCTTGAGACCCCTCCATCAGTCCTGGT
TGTTGTTTCTTCACAACTTGCTGTCTCAGAAATGTCTGTTGGGCCCTATTCTGGTCCTTG
CCATGCTATGAAACCAGNCTAGCCTACATCCTAATCTCTTCTTCTGAGACAACCTTTT
TCTAGGAAGCCCTTCAATGGGGCTTCNTCCTTTCCCTTGGGGCTTCTCCTTTCTTAAG
NCTTTCTGCNCTTTACCCAGCTTTNCAAAATGGTNTCTGGCTTTTCTTCCCTNGNGGTAN
TCTTCAANTTTTGCTTCNACCCCTCTTCNCTNGANTGNCTTCCNGTCCTAGGTGGTTT
NCCCGANTCNTTCCAAAAA

Sequence 1830

CCCTTCGCGGCCGAGGTACGTCTGCACCGTGTGGGTGTCTTCACTGGGGGAGTCTGGATG
CATATGCACITTAATTTCCCCACCCCTATTAAATATGGAGCAGCTTTTCAGGACTCTGTGA
CTGCCTTCTCCTCAGGGTCACATTGAGTTTGAATCTGACCCAAGGTGCAGGAATCCTGCA
ATGGGGAAATAAAAGAATATACAGAACGGGGTTCAGGTCANCTGCTCAGAGGCCAAAACCC
CTACAGCTGCTT

Sequence 1831

ACTTTCATCATGACCCAGAAAACCACCAATTAATGCCACTATTTTAGGACTCATTTTTTC
ACTCTTGCTATTTCATTTATCTTGCAATCTCTTAGTCTGTAACCCCTCTTCCGCTATAAAAC
TTTTCATAAATATTTACAGTGGAAGCTTCCTGTGCTTTGGCTTATCAAGATAAACTCATC
TATCTCATTTCTATTTGAAATAAGTGTGTTGAAATATCCTGTTTCTTCTGTAATTCTCCT
ATCCTCTTCTTTGTTGNAAGTTTAAAGCTTTTTATTTCTTTATTGGCATTTTAATGGNG
CTCAGAAAGA

Sequence 1832

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGCTAACTGTGCTAGGCAGGGCAGCCCTGTG
AGTTCTACTGCTGTCTTGGTTTTACAGAGGGGGAAAGTGAGGCACAGAGAAGTTAATTAAC
CTCTGAAGTGTTGCAGTCTAAGGCACAGAGACACAGTTCCAGGCAAGGTTTCATCTGAATC
TTAAGTCCCTCACTCTTTGCCACCATCCTCCACTGCTGAGACCATCCCTGTGAGTCCTGCC
GCTCTCCTCCCCTGGTCCATTTCACTGCTACTCAATGAGGCCAAGGAAGCCAATGGTCG
TGTCCTCCCAAGAGGATATCTCTCCCTCCTGAGAATCTTTCTCATACATCTCAATTCTGAG
ATACAGATTGAGAAGCACCTCAGCAAATCCACTGCATGGAAGGCAAAACAACCTTGA

Sequence 1833

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGCTAACTGTGCTAGGCAGGGCAGCCCTGTG

Table 2

AGTTCTACTGCTGTCTTGGTTTTACAGAGGGGGAAGTGAGGCACAGAGAAGTTAATTAAC
CTCTGAAGTGTTGCAGTCTAAGGCACAGAGACACAGTTCAGGCAAGGTTTCATCTGAATC
TTAAGTCCTCACTCTTTGCCACCATCCTCCACTGCTGAGACCATCCCTGTGAGTCCTGCC
GCTCTCCTCCCCTGGTCCATATTTCACTGCTACTCAATGAGGCCAAGGAAGCCAATGGTCCG
TGCCCCAAGAGGATATCTCTCCCCTCCTGAGAATCTTTCTCATACATCTCAATTCTGAG
ATACAGATTGAGAAGCACCTCAGCAAATCCACTGCATGGAAGGCAAAACAACCTTGAT
Sequence 1834

CCCTTAGCGTGGTTCGCGGCCGAGGTACTGGTCTGCCTGAAGGCTGAGGGCAGTAGAATTA
TTGACATTACTATAATACTGACCTCAATCGAGCTAACCTTTAAATTTCTGAGAAACAGGTT
TTCAAACAGGTTTATAGGCCAAAGAGAGTCTGGAACACCCTAAGGGCTTGGTTTTCTGG
CCAAGTAATCAGTCAAAGCTATTACTGTCACTCTGCCTTTTCTTGTGGCTAGATAACAC
AGCCCAAGTGCAGTTGCCAATTTCTAATGAATACTAGGTGTGGCCTCCATTTTATCCTGT
GCAAGGGGATATTGGAATCTTTGTTCAAGCAATATCCACGAGAGAGGTGGCTTCATGC
CTCAGAAGTTAAGGTGGATTTTAAAGCAATTTAGGCTGCTTTTTAAC
Sequence 1835

CCAGANGCATGCTTTTNCGGGCGCCATTTNTNTTNGNTTTTTNNACAANNCGCCCTNNGC
GAGGAGNGCNGTGAAGTACCCAGNCTGCAGCTTCAACAGTTACNACATTGAGCCAACCG
GANANACTGCCANGGCAGGAAAAAGCCCTGGAAAGCCCACGGCCCCNTTTCCCTTGGGN
CAAAGGCCNTANAGCTGGCTGCCAAAGCAGCCAACCAAAGGGGCAGCTCAGCTCCTGNGA
GGCACCAGCAGTGACCTGATGCAGTNGAAGAGTTGATGTCTTTGACAACATACGGGACACT
GGCTGGATTACCTANATGACACANCTTAANTGCCAATTGATGAAATTAGGGGAAATGAAA
AG

Sequence 1836

CCCTTTGAGCGGCCGCGCCGGGCAGGTACTGTGTGGGTGCGCCACAGGGTAGGCCACTAT
CCCCGTCTGATGGATGNTTGCATTGTTTTCAATCTTTTGCTTTTCAAATAAAGCCAGT
ATGGATAGCTTGTGCATAGTTTGTGGTTTTGTTTTGTTGTTGTTGTCCTTGTGGAAGTG
CATCTACACTAGTAAGAATTTGTTGTCAAAGGGTGTCTTGGTAACCAGGTATTATCCAAT
GTCTCTGATTGGGAATTTTAACAGTTTGCATTCTCAACAGTAATGTCTGAGTGTGACTGT
TTTTCCATANCTTCATCAAGTNGAAGNGTATTGGCTCACTATGGACATTATTTAATTAAG
NTNATTATTTGCATTTTCCCTTTT

Sequence 1837

CCCTTTGAGCGGCCGCGCCGGGCAGGTACAACCCTACCACTACTCTACATCATGGAAGTC
TTAACGATTTAGGGTAATACGATAATGAGAATACCAATATGGATCTATTAAATGAGGAGC
TGAGTAAGCTCCAAATTTCCCTCTAGATTGGTAAGTCTATAATTTATTATATGAAATTCC
TAATTATTACCATACTAAGTTCAAAGATTTTAACCCAAATCCTTTAGTAAGTATAAAC
CTCATTTCTTAAGATTCTTGACAGAAATAATCTTGATGAGCTTCTTCTCTTCATGATCTTT
CCAATGCTGGTATAATTTTGAGGGAATTACTCTTATTTTCATTAATTCTGTTGCAAGGAG
GAAAAGACTGACTCTGTGTGGGGTTTCTTTCTCTATAAGGCACAAGACCTAAATGTCA

Sequence 1838

CCCTTAGCGTGGTTCGCGGCCGAGGTACACTCCTGAATGCGCAGAGAGAGAGTGAGAGAGA
GAAGCTCAAAGAGGATGAGGTCTAGGAGACCCAGAGTGTTTCATGGGATGTAACAATGAGC
CAGTGCCCTTCCTCAGCACAGTAGTCTAGCAATGGGGATGCTCTGGACCCATTTAAACC
GGGTACAGTGTAATAATTCCTAATGCATTTGCAAGTCTCAGAGCACCAGCAAACCAAGGA
GGGCTCCTTTGTATGAGCCATGACCCAGAAAGGGGCTGTTAGCCTTGGGGCCTGTATGG
TAACATGGGCCACCTTTTCTCAGACAGGTCTGACACCATCATGAATTGTCATGTAATGT
AATTTGACCATGTAACTGACAACCCTGTGAGCAGCCACTGGTGNTCCTT

Sequence 1839

CCCTTTGAGCGGCCGCGCCGGGCAGGTACGCGGGGACTCCTCACCCAGCATCCATAAAAA

Table 2

CATGCTGCACCTTTGGCACAGCGGACTTCCCTGGCCCTCCCCCTGCGGACCAGTGAACC
TCGCCCCGAGGGCTCAATAAAGAAGATTTTTGCCCTCTTTTTCTCACCTCTCAGCCTTATT
GATCCATGGTGCCCTTCCATTGCCCTTCATTGGTGCCGAAACCCGGGAGGGGACACCTCC
TAAGCCCCCCCCAGAGGCTCAGGGGGACTCCCCCTNCTGGTCCGATCAAGTCCTCTCCCTCA
GTCAGGTGAGGCTTCTCCTCCACGGNCATCTGNCCATTTCGTCCGGTTACTTGCTGCCAG
GTCNCAGNTGCTGCAAGCTACTCCAG

Sequence 1840

CCCTTTGAGCGGCCCGCCCGGGCAGGTACATGACATTTTGCACTCAGTGGTATCCCTAGG
ACTTGTTTGAATACATTGCTGTATTTATCTAAAAGGGCAAAGCTTTCATTAATAATAATC
TAGTGGCAATGTTGCACAGCCCTAATTCTCTACTACATGAAAAGTTATATTTTCAGGCCC
AGAGACACAGGATTACAGGTCAGTGATAGGCAATGCATATTTGAAGTATACCAAAAGCAC
CAAATAATGTAGCTGAGTATCCAGAAGGAAGTACATAAAATGCAGGGGTCTAATTACTA
GAGTCATTGCCACAGAACCAGTCATCGATGACTAAATTATGCACCTGGTTTCCTGGGAAA
ATCTGCAGTTTGGGGAACATTTCACTACACTTCAGAGCATTTTAAG

Sequence 1841

CCCTTAGCGTGGTTCGCGGCCGAGGTACTACCATGCCAGCTAATTTTTGTATTTTTGTGTA
ATTATTTTTTTGTAGAGACAGGGTTTCGTATGTTGCCCTAGGCTGGTCTCGAATTCCTGG
GCTCAAACGATCTGCCTGCATCGGCCCTCCCAAAGTGTGGGATTACAGGTGTGAACCAT
GNGTCTGGCTATATCTTCTGTAACACCCAAATGCCACCAGGCAAAGCCCAAGTTGAACCA
GGAGGGAAAAAGGCCTGGCAGGATGTANGCCTTGCATNAGGATCTCAGAACTTCACTAA
NCAGTCCAATTCCTCTTTCCCGAGGTCTAACTCTATGCTGAAGTCTTTGCATTTTTATC
TCACTTAATCCATATCACATGCACAGGAAGGAAGCATTTC

Sequence 1842

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGG
CTCTTGACAAAGATAGACCACTGGAACATGAGAAGGAGAGAAATTCGTCTGGTTCACAGAC
AAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGG
ATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCC
TGGACAAGAGACAAGGAGAAAGGCTTTAGGATCTACT

Sequence 1843

CCCTTAGCGTGGCGCGGCCGAGGTACGATCTCACCATAGGCCTGTTTTGGAAGCAAGGTT
TGAATTTTCTTAAAGAAATTTGAATGTTATTCTTAGAACANCTTCTTGTTCACAAA
AATCATTTATGTAAAGGGAAGGAACACACTGATTTATTTAAAATTTGGGAAATTGCGAA
CCAAAAAAAATGCATTCCAATTTACAAGTTACTTGATTCTGTATATGAAGTGGCAGTG
TCCTTTTCTTTCCTGCTTAAAAAAGCAGCTCTGGCCTGTGGAAGGCAAGTGGCAAATGT
AAGCTTTATGGCAAACCCACTCAATTGATTTAAAAATGCTTCCAGGAAACACTTGTGTT
GGAA

Sequence 1844

CCCTTAGCGTGGTTCGCGGCCGAGGTACCAGGTTCAAATAGTCAGCAGCTCATCATAATCA
ATGAGCGAGGACATAAAGTAGGAAAAATGCATCACCATGGTGAGCAAGGAAAGCAAGTTA
TTGGAGGCACATGTTAACACATAAAATATAAAATTAATATGATCACACTGGAAAGGCTTG
CCTGAGCCCAACAGTTTTGAATGCCCTTACNATAAAGGATGAGGATGCACAACAAAAAAGCA
ANGNAGAACCCTNGATCAAGTGGGGTGACCTGGGCCCATGGGTGCTCNTCATCAAGTGGG
GGGAACCCCAAAATGGCTTTTATTGTGGGACCTTCACCCAGGGTTAATTTCGGAATTTTAN
GNACCATTGNAAATTANGGGAAGTTGGTTTTTGTGGTGAATGGGGCCAAAAGAAAA
CCCTTATTANTTAAATTCCAAAAATTGGAAATTNACCAAANTGGAAAAANCTTTTANAA
A

Sequence 1845

CCCTTTGAGCGGCCCGCCCGGGCAGGTACTGTTTGATGAGGTGTAAAATAACACGCTTTA

Table 2

ACTGGAGAATGAACACATTTCCAGATACAATATTATCGTTCTCTTCTTTTCAAGTAATA
ATTTCCAAAAGATGAATTTTAATGGACTTTTTGCCATTTAACCAAAAGTGAATCCTTGAGT
CTCTGAAGTTGCCCCACTTAGCACCTGCGTATTATAACCACTTTAAACAATTATTACA
CCTTTTTGGATTAAAATTCAACNCTTTATGGTCTGTTTGCAGNAATATNAAANNTTANAN
NCAATAAAAAGGGTACCTTCGGGCGCGNGAACCACCGCTTAAGGGGGCGGAATTTCCCAGG
CACAACCTGGGCGGGCCGGTTAAGCTTAGGTGGGATCCCGGAGCTTCGGGTACCCAAAGCTT
TNGGGCGTAAATCANTGGGGCCATAAGGCTGGTTTTCCCTGGTGGTGGAAAATTGGTTTA
TTCCCGCCTCAACCAATTTNCACCAACCAACCAATNACCGNAAGCCCCGGGAAAGCCA
TTTAAAAAGNTGGNTTAAAAAGGCCCTTGGGGGGNGGCCNTAAATTGGAGGTGGANGC
CNTTAAACCTTCAACANTTTAAATTTGGCCGTTTNGCGGCCTTCAACCTGGGCCCCGGCN
TTTTTCNAAGTCCGGGGGAAAAAACCTGGGTNTGGGGCCCAAGCCTTGNCATTTTAAAN
TGAAATTCGGGGGCCCAAAC

Sequence 1846

CCCTTAGCGTGGNCGCGGCCGAGGTNCANCATANNTNATTACGATATTTTGTGATAAGTG
CTGTGTTCAAGGATGTTAAAGACATGACATGTCTGTGTCTAATCCAATCTCAAGATCCGAG
GATGGGATCACCACGGNAGAGTTTCTTCAAAAAAGGTAAGTTGCNNTTNACNCAGNGTCN
TTTAAATANATTACGGGGAAANAAANGGCNNTGGNTATTTGAAGAAGGGATGTTGGTCTT
CCNCACAAGAACCAGGACT

Sequence 1847

CCCTTAGCGTGGTTCGCGGCCGAGGTACTGTCTCCAGAATGCACCTTNTCTGCCCATGTCAA
CTGGAATCTTTGTTCTTGAAGACTATACTTTCTAGGACTCAATACCCATAACTGCTTCC
TACCCTCAAACACAAATACACACAGAAAACACTAAGCTTCCCTATCCAAGTGATTTCTG
GGGAGTTAGAGCCCACCAATAGAACTGGAAAGTATACTCAGGCCCGGGGNCGTGGTGG
CTCANGCCCTGTNAATCCCCGGGCACTTTTTGGGGAAGGCCCGNAGGGCAAGNTGGGAT
TCAACAAAGGGTTAAGGGAGNATCCGGAAGAACCATTCCCTGGGGCTTAAACAATGGGG
TGAAAACCCCCCGGAACCTTCTAACTTTAAAAAAATTACCAAAAAAANATTTANG
CCCCNTTGGGGCCGTTGGGTNGGGTTNGAACCGCCCTTGNTGAAGTCCCCCAANCNT
TACCTTCAAGGGAAGGGCTTTGTAAGGGGCANGGGAANGAAATGGGGNGGTNGAAAACC
CCCGGGGGGAAGGGGCCGGGAANCCTTTGGCAAGATNGGAGGCCCGAAAGAAATCCANC
AACCANCCTTGNCAANTTTNGGANATNGGCCACCTTNCNAANGCCCCCTTGGGGGGCGGN
ACAAGAAGACCGAANGAACCTTCTTNGTCTTTANANAAAAAANAAGGAAAAAANA
GGAAACCTTGGGAANTGGAATTACTNCAANANTGGGGGGAAAG

Sequence 1848

ACTTTTTTTTTTTTTTTTANAGACAAGNGTCGCTTTGTCATCCAGGCTGGAGTGCGGT
GGCGCAATCAGAGCTCACTGTAGCCTCAAACCTCGGACTCAGGGAATTCGGCCCCCTC
AGCCTCCTGAGTAGCTGGGACTACGGGCATAGGCCACCCGTANACAGCTAAATTTTCAGC
AAACACCTTAACACAAGAGGAGCCCAGGTGNTGGGCCACCCAAGGTGCTCCACCTGCC
CTTAAACAGGTTAGGGAAAGNGGGNATTTTTTGGGGGCTAAAAAGNTGGGCACCTCAA
AGGATNCCAGGGGTAAGCNTTTTGTCTAAAAANGTTAGGCCCCAGATAAACCAAAATCG
GAAACCCCTTGGAAAACGGGAAAAANGATTAATTNTCAAAAACCAAGGAAACCAAA
AACCCCATTTGGGGCCCGGTGGGCCCAANAAGGGGCCGCCCTTAGNAAAANTTTTAAAAA
ACCTNGGGNAAGCCCGGTGGAAAAAATTTNCNTTTTGGAAATTTTNTTTAANGAANGN
AAGTTGGACCAAGAAAAAGGTCAATTTTATNGCCGCNAAAAA

Sequence 1849

GGTACTGGATAATGCAAAATTCACCTTTGAACTTTTTATTAGAATATTTGCTTGCCTAAT
TAAAGATGGAATAGAGCAATATTATAATAAATGTGCATAGCCTGAATACAAAGGAGCTAA
GAGATAACGGAATACATACATACTTGGCCAAAGAAGACAGGACCACCAATTATAAATATA
GCCCTAGATTATACAAAAGCAAATGGTCATTGCCATTAACATATTAATTGAAAGGTGA
TGAAACTGAAAGTTTTTATTCAATTAAGAAAAACACTGCCAAGGCTATTATTCTGGGCC

Table 2

CCCAATTTNTAAAAAGGTAAGAAAAAAAAAATGGTNATTAATTTTTATGGGGTTAATGG
TTAATTTTATGTNTTTAATTTTTATGGTTAATTTTTGGATTAATTTTCCCAAGTNCC
CATTAGGGNCACCATNCCCTTTAAAAAATTTTCCATTAATGGAAACCCACCTTTTGGG
GGGAAAAACCATTTTTTTAAAAAGGTTTTTCCATTTTGGAAACTTTAACCTTCCCC
TTCCGTTCCCTTC

Sequence 1850

ACACACCAGCTGCCTCCAATCTCCCTTTGATAATCCTAGCCACATGCCACCGCGGGTGCT
CTAGTGTAGGCTGGCACCAACCCACCCAGCAAGAGCCAGGATCTGCTTCTTGAGGGCAG
GCAGGTTTATCACACAGCGGGGTGCAGAAGAGTAGTATTATCTTCTAGTGTAAACCACT
TATAACTACTTTTCAGTGAATCAAATAGATTTTTAAGCAAGAACATTGTAAAAATCTGCT
TAATCAAGGGTGGAGCAAAATGANTTAGCCAGGGCCACCCTAGCTCAGATGGGGTGGTAG
CTGCCTCTGCTCCACAATGAGGTATTTACACTTTGCTCCCCACCCTCTCCTTT

Sequence 1851

CCCTTTTCGAGCGGCCGCGCCCGGGCAGGTACCAAGACTGGGAAAACTGAGGACACTGGGG
TAGTGTGGCCATGCACTGTCAATGGAGGAGAGGAAACAGAAAGAACTGGAAAAACATA
TTTTTTCGTTCAATTGTCTTGTCTCACATGCTGNTGGAGAAAATCAAAGGACTTATTTTC
TAAATTANGAAGAGGGTTATAAGGGTTAATCTTCTTAGGCCGAACCTGGAANGGGGGCC
AAANCTNGAAGTTNAATTCATTCTTGGGGATTTGAAAAACCTTACCTTTTACCTTGGGG
GGAAAAAGGGGTGGAATTNAAAAAAGCCCCCTGGGGCCCCCCCNTCCATTTTCCGGTTC
CCAAAGGTTCCANTTCAATTTTCCGGGAAAAATTTTGGAAAAATTTNGGGAAGGGGTNCCC
TTTTTTTTTTCCTTCCCTTCTTCCAATAAAAGTTTGGAAAAACCTTCTTTTTCAAAA
AGGAACCGNTTTTTTTTTTCAATTTTAATTCCAAATTCNTTCTTTGGGGTNAAAAAA
AACCTTTTTNCCCAAGGGGTTTTGGTTTCCAATTGGGGGGNAATCCAACCCCTNTTTGG
NTTCTTTTCTNTTTTTT

Sequence 1852

CCCTTTTCGAGCGGCCGCGCCCGGGCAGGTACCAAATTTATTGCCTGCCAGGATTGGAATTCA
TGCAGAGAGGAAGGATCCATGAAAAAATAATCAAAGTCAGGAAAGTCTTTTTCTGTAAT
CTTGTCTCATACAGTGAGTTATTTTTGTCTGGGTAGTTTACGGGGATGTGACTCCTTCAG
TCATCTAACCGTAGATGTAAGTAAAGTCATTTTGCCAGGGGAAATGAAACTCCACTTTGT
TTACTTTTTTCACTTAAAGGCTAAATCTGATTAAGCCTTTTAAACCATTTTGGTTTCAT
CCTTTAATTTTCAGTATTTGTATGAATGCCCTATGGGAAAGACATATGGGGATTTAAAAAT
AAGAAACTTTGGGGCTAGCCAATCTTACCAATAAGNAGAAAAAGTGAAGATGCCTAAAAAT
CCAAGAAGNAGGCGAGGAAAAAGTCTTATTTTCAANGTAAAAAGCCTATTTTTGAATCCT
GAAAAATACCTGNNAAGGCCAGTCTTANCAGAAGNTATTTTAAATTTGGGGGAANGAATAT
TTGATTGCAATNGCCTNAGTTNAAAAAGAAAGTGGTATTTTGCCTNGAATATTGGGTT
TGAAAGGTTATTTTTANTCCATTTNAAAATTTTCTTATTANTAAAGTTTTNANGAAAG
AATGGTTGGGGAACCTNATTNNTGAAAAANTTTTTGGAATCCCNNGTGTAATTTAATN
AAATTTTTNTTTTTCCCTTAAAAAATAAAACCCCTTTTTGNNGGGAAAAA

Sequence 1853

CCCTTTTCGAGCGGCCGCGCCCGGGCAGGNACNCAATGAAAAGTTTGGAGNGCATGTCACAA
GTTTGGAAATAATCTAATGTTGTATTGACTTTTCAGGGTTCTATTAGTGAACACAAATC
AACTAAATTTTGATATATTAAAGACAGATGTATAAGCCCTATAATTTTGAATCAGT
ATCCACCTGACATTTATCTCTCATTCATCAGCTTGAACCATTTTGGGATAATTTGATT
TCTAAATTTTGGTATTTACTCAAATATAAATGGAATTATTTGGACTGCC

Sequence 1854

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTGCTACACGGTCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGANACTTCTGGAGAGACCATTCAAGGCTCTGCG
CTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAATACCGACTTCATCATGCTTGAGTTTGTGTGCAGCTGCAG

Table 2

CCGGATTCTCTGAGCGCTGTCTATCGCATTCTGCCTGGGCAAANCCTCACCTTCCCTGG
GNGATTGTCCCTGGGNCAANNNAANAANAANGGNATNAAGGGCCCTTANGGNATCNTNCG
NGGGGGGGGATCCCCNNGANNNAANAANAATTTTTTTTTTTNGTTCCCGGNNNNGGA
ACCCCNANGNGGNNCTCCAGATNANAANNNTTTTTTTNGTGTNNTTTTTTNNNCAG
GGGNNNCCCTTTTTTTAATAAACNCACCCCCCNGNAGANNAGAAAAAACCCTCCNC
TATAAAATATANANANCANTGNGCGNGGGGGGGGGTTATNTNTNTTATNATAATGN
TNTGGNACNCCTTTTTTTNANAAAAGGGGCCCCCCACAAAAANNTTANACTTCCGTT
TTTTTATAAAAAAAAAAAAA

Sequence 1855

CCCTTAGCGTGGTCGCGGCCGAGGTACCTTGGGTGGCCAAATTTAATTCAAAACTTGGA
CAATTTTTCAGTTACCCAAGTTTACACTAATCTTAGCATAAACTTTAGCTTTCACCTA
GGTAAAGATTAAATAAATCTGATTTAATGTATTTCTTTTGTATTTCTGTAAACAG
CCCAAACAGTCTAAAAAGTGATGATACACTAATAAAAGACAGATTAAACCACAGGAAAG
AGCTATGGTATAAGTTTGGACTCGCCTTAATCCTAGGGCTTACCATTTATTATCTAAA
GAATTAATTTAGGATGTAAGTGNNTTCTTCTTTCTTCATTAAGNCAAAATCTTTA
CTTCTCTTCTTTTATTAAGCCATTTAAATTTANTGGTTTTTCANCAAGTNGCCTTGG
GTGGTACCCCTGGCCCCGGGCCGGGCCGCTTCGAAAAANGGGCCCGA

Sequence 1856

GGNACCATGCAATATTAGCACTAAATAATTTGGCCACCAAATTAAGGAGGTATTCAAAA
GAATTTTATAGATTATAGTGAATTAGAAGCTTGGTTTTGAGGCTTGGCTATTACTCGAT
ACTGGGACTTTTATTATAGCATTCCCTGTAGATTTGAGCAAGAAATTACATCTTCCCTCT
CTCTTGTAAACGTTTATTTACGCCATTCTTTAGGTCGTTACCCCAAGTGTATTGAAA
GGAGCCTACCGCTGCAAGGTTTCCCTTACTGTGGGCCGGGCTTGGGNGGCCATGCCAT
TCCTT

Sequence 1857

CCCTTCGAGCGGCCGCCCGGGCAGGTACTGGGGCACTCATTCTGCATGCTCCGAGAGAT
GCATTTCCAGTTTCCGAAGAAGGGTCTAGAAATGCTTTTTTGCACCCGGCTTTTTACCCT
ATCATTCATTTCTTAGGCAGTTTGTGTTTCTTTCTTCTGCAAGCCGGGTAGA
TGCTCTCACAGACAAGCTAGAAATGCTGAAGAGCTTCTGATACTCTGGTTTTCTGTGC
CTCTGTCTTACTGTGGCTAAAAATAAAATACTTCTAACTTTCTTTTTTGGGAAACCATT
AGCCAATTTATTTTTCATTTGCTTTTGGAAANNACCCTTCATACTTCCCTGGGTCCCCAC
CCCCTGGCAACATGGGAATTCCTTGGTGGGCTTGGTTTTCTTTTCCCAAAATGGCTTACA
AGTGGCTTCAANTGGTTTGGACCTTTTTTCAAAGGAATGAACCTCAACATTGGGTAAA
CCTTAAATGGAAGGGAATNCAAAGTTCAAATTTATTTTCAANGGGTGAACCTCGGTGGT
TTCTTTGGGGTGGAAATGGCCTGCCANGTTTCCCAACAAAGGAAGTTGNTGGTNGCCCCG
TNCCCTCTTGGTANGTTGGAAAAAANGGTTTNTAAGAACCATGGNTGGTTTTTCTCTC
TCCCAGAANNAACCTCTTGGGAAANGGCCTTGGCATTCCCAAGNANGGGGAAAATT
AACCCCTGG

Sequence 1858

CCCTTAGCGGCCGNCCGGGCAGGTACCANGCACTGCTCTAGGTTTGGAGGTAGAGACAT
TGGTGAGTAAAAACAGACATGGGCTCAACTTTCTAGAGCTTATAGTCCAGCAAGAGGGAC
AGATATTAACCAATGAATCAGACAAATGGCACTAAACATTAAATTTGGTGAGTGT
ATNGATAAGGTTGATTTGCCCC

Sequence 1859

CCCTTCGAGCGGNCGCCCGGGCAGGTACTTCCATCAAGTCGAGGGAGTAACGCAAACTA
TTAATAGTAGCCATCTATTAAGGATAGTTCTGAGGTTTGAATTTGTAAGTATTTTAG
GAGCTACGACATGAATATCATATCAGGTAGAAATACTCAGAGTGATCACCTTTTATGAAA
GTAGTTCTATCTTTCATGTCTAGGGAAAATATAACAGTGGAATGTTTGTCTTTTGTATG
TTTTTGTCTCCAAGNCAGAGGGAACTGACAAGTTTTATGTTTTAAGTGCCCGAAAGTT

Table 2

TGTTTTNTGGCTTAGGCCAGNTTCCAAGAGATTTAANTCACTGGGGGANTGTTTAAAC
TTTGGAATTTTTTTGGTTCTTTTAAANAAATGGTTTTTAAGAATTTTTTAAAAAACC
GAAAAATAATGGCCTTTTCCCATTTATTTTCCCAAAAACNTGGACCAACCCTTTGGTG
GTTTCCTGGGGATTTAAGTTTTTTTTAAGGAAGAAAAATNGTTTTTNNCCAAAAA
TTTCNTTCTTTGGGGAATTTAACNTTGNAAAGNTCCCAATTTGGATTTTTTGNAAAAA
TAATTTTNAAGNTATTAAAGTTTTTTTTTCTTT

Sequence 1860

CCCTTAGCGTGGTCGCGGCCGAGGTACCCATGTTCTGGAGAGCTTGCCCATCAACACCAG
GCCTGACATCCTTTCTGTGGGAAACAGACACATAGAGCCAAATAGCATGTCTCGGTAGTC
AGTCATTAACATGAAATCTCATGATCGCCATTTTATAAATACAAGACAGTCATTTCTACT
TCTTTTATCTTATTTGTAGCTTCAGCCTGTTCTTTTTCTGATTTTAGGATTGAGGTAGG
TCCTGTAAACAAAAGNATTAGTATACACAACCTGATTGTCTGAAAAGGAGTTTAGGAAT
TATTATAAAACCAAGCCTTTCTTAAAACTTTACCATTTTAAAAAATANCAATTGGCAT
CATGAATTAAGAAAATCTCTTAAACAATGGATACCAATTGATTCTTCATCACCCAAAACA
AGGGGAATTTTCCCTGGAGCCCTTTCTTGGGCTTAACCTNNGGAATGTTACCTGGANG
AAAAATANCTTTCTTTCCCTTTTCTTCTTAAATTTNTCCCTCCCNTGGTGGAAG
CCATTGGCTTNAATTCCAGNGGTAAAATCCCCAANNATCAACCTTTTGGTCCCCCAG
NTTCTTCAACAACCTTAACCTTCTTTANGGGGAACCCCAGGGGTAAAAAATNNGGGG
GGGCCNAGNTAATAAAANTTAATTNGCCAAAGGAACNTNNAACCCCCCTTTCCCTTCT
TCTNNGGAACCCCTGGCCCCNGG

Sequence 1861

CCCTTAGCGTGGTCGNGGCCGANGTACNCGGGGAGACACATTCANAGGTGAGCCAGAG
CGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGANACGCCACGC
CCTGTATGGTCGGTGTCTAAAGCCTCACAGCAACTAACACCAACCCANCTCTCAGAAGAA
GGAATGTCAAAATGTCATGTTCAATTTACATTCAGTGCCTGGAATCTTTCTTCAAT
TGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATTCTTCATCTCACAAAGGGA
AATACTTACATANNGANGCAAGGGAACCCGCAAGAGATCTACAGNNTCTGGATCTTC
CANGGATTAAGTGAAGTGGAGGGNGGGTTGAAATGGATANAGGGGTNTTAATTTTGA
CCANGCTCCAGTGGAATNAAAATTAATTCNTTTGGCCAAAATGGAAGCCAAGGTNTTCC
CCCANNGACCCACCAGACTTCAAAGGACCGGGACCATTAAATTGGGGTTTTTTT

Sequence 1862

CCCTTAGCGTGGNNGNGGCCGAGGNACAAANNTCTGAGTATGGGAACCTCCCTCCCCAAG
TGGTGGGAAGTTACAGNTAACTACAGCTTACTCAACTATCACTTCCANAGGTTTAGTGTT
TTTAATATGGGAAAGAGGAGAAATCTCANGTCTAATCANGGTTCTGCCCATCAGCCTTT
CACTGAAACTTTCAACTGTGGTTTTNTGTTTTTGTGTTTTTTTTTCCATCNTTTCAGAT
TTTCCTTANGCNTGTNGTTTTGGCCTTTTCTTCCCCTCCGGCGGTTTACCTTCCCTCT
TTTATTTTTTGGCATTTTNGNGGGTCNACCCNTTNCNANGCCTTNCNATGGTTCTCC
CCATTGAANNNTTCAAAGCCTTGNTAAACNCNCTTGGCNAATTTTTTGGNGGAAAACCAN
GTGAAGGANGGAAAAAANACCCANAAAGGNAAATTTTTTGCCTTGGTAAAAA
AAAATAAGGGGCNCCAGNGGTTGGCCCGNGTTGGGNCCTTCTAACTACNCCTNGNTNAAA
TTTTCCAAGGNCATTTTTTTNGGGGNAAGGGGCCTTGAAAAAATGGGGGTNNGGGAA
NNCNACCCCTNNGGAAGGGGTTCCAANGGAAATTTTCNNGAANNAACCAAGCNCNTGGGG
NCCCANACCAATGGGGGTAAAAAACCCCNATTGGTTCTTTCNTTTATTTTAAAAA

Sequence 1863

CCCTTAGCGTGGTCGCGGCCGANGCCACTTNCCTGTGTTTTGTTAAGTCATGAAAATTAGA
TTTCTGATTCATCTTTATTTAGCAITTCATATGTATGTTTGTTCCTAATATTCAAAT
CACTTGCTACTTGAAATTGAATTTCTGAAGGATAATACTACAATTTAAAAATATTTATTT
TTTGCCTA

Sequence 1864

Table 2

GGTACAGCATGTGTGCTGGGCTAGTTTCCTGGCTGCTAAAGCTGCATGGTGCCCTTTAAT
GATGGGAAGGAGGACATTAATGTGTTGGGCTTAGTGTTTTCACTTGTGAACATCAGGGA
GCANAGGGCATGCAAACTTTGCCCAAAGGCTGGACACGGTTTTGCNATAGAAATGAGCTG
CGTGTANTAAATAACTGACCTTGGTAGATGCCGACGCTAAGCAACTTGATTACTTAAAG
GTAAAAAAGTGAGCCGNCAACCTCAGGCCCATANGGTGGAGCTAGGGNTTGACCCAGGGG
GAAAAAGGGCTGCGTTTCCAAGGAGGTTTCGTCTNTCCCATTTGGGGGGCCCGCTCTT
AAAAATGGCTGGAATCCCTGAATTCACACCTGGTTTGAAGCCAAGTGGTGCCTGTAATG
GTTTGGTCTTTCACTTTTGGANGAATTAGNAAAACCTGCTTGTCCCATCCTTTTAAAT
TTTTATTAAGAAAAATGGGGAAGANAAAAACCTNGGGGGTTNCTTCAAGGGGAAAAANGTT
TTAAATTAATAAATTTGGNCCCTAANGGCNCTTACCAAACCAAGGGTTAAGCCNAAAGGT
TANNCCCAANAAAGTCCAGGGGAATTTTTTCANAGGTTTCCCAAGGGCCAGGCNCTTNGN
CCCCCTTTAAAAAAGANCTGGANGGGGCTTCCCCTTCNTTAACCTTTTGGGTTTNTC
NTTTAATCNTNGGGGGGGGGG

Sequence 1865

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGGGTGATGGCCATACTGCGTGCCGCCATA
GCTCAAGCCATGTGCCTGAGGCTGTGCATGAGGGAGAGAAAGATGTCCACTCCCAAAAG
AACTGATTCAGGCATGAACAGAACCATTGCACATCCTCAGGAGGTTCTAGCAAACCTGCA
CATCCATGTCTGCACCTTAGACAACATAAACAGAGTGAGAATGCCTTCCAGAGCACAGTC
AGNAAGTTCAACNTGGGCAAACGACCCAGGAAGAAATTTTCAGCTCATCCTTTTACAGG
AAAATGTAAACCTTCNCATNGGAGAAGGACAGGGAGAAATTCAGTACCAAAGGACCAAG
GCGGGAGGACTCTTTTCTTTTTTCTGGCACGTTGGCTTGGGTACCCTTNGGGGCCCG
GCGGAACNCACCGCTTAAAGGGGCCGNAATTTCCAGGCCACCACCTTGGGCCGGGCC
C

Sequence 1866

CCAGCGGCCGCCNNGGCNNGCACTTTGCTACACNGNCGGGGGCCATTGAGACTGCCATGG
AAGACTTGAAAGGNCACGTAGCTGACACTTCTGGAGAGACCATTCAAGGCTTNTGGCTNT
TGACAAAGATAGACCACTGGAACATGAGAAGGAGAGAAATCTACTGGTCACAGACAAGA
CTCTCTTGATCTGCAAAACGACTTCATCATGCTGAGTTGTGTGCANCTGCAGCGGATTC
CTCTGAGCGCTGTCTATCGCATCTGCCTGGGNAAGTTCACCTTNCCTGGGATTGTC

Sequence 1867

CCCTTAGCGTGGTTCGCGGCCGAGGTACGCACAATCAACAGGACTTGACACTCAGCTTATG
TGAGAGAAAAATATACAAATACATTTATTGTAATCACATTTAAATTTATGGCTTTGGCAT
AGAACGAGGGGAGGGGAAATGTATTTGGGAAGGAAAGAGAAGATGGCTAAAGCCATGGACA
GAGTTTGAATAGGCAAGTAAGAAAAACAGGGTCAAGAGGCCGGGTGCGGTGGCTCATGCCT
GTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACCTGAGGTCAGGAGGTGCGAGA
CCATCCCAGCCAACATGGTGAAACCCCGTCTCTACAAAAATACAAAAATTAGCCAGGCA
TGGTAGTGGGCACCTCTACCCCAGCTACGTGGGAGGCTTGAGGTAGGAGAATCACTTGAA
CCTGGGAGGTGGAGGTTGCACTGAGCCTGANATCGCACCACTGCACTNCANGCCTGGGTG
ACCAGAACCGAGGACTNTGNTTNAANNAAAAA

Sequence 1868

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAGGTTGGTAGGAGGAAGAGAAGAAATGATT
GNCTCCCANAGGCTTATGGGCTCCCAATTCATGATTCTTCTCTGTGGCTAATTTTTGT
TAAGTATAAGAATTCCAGGAATCTCTTAGGAATNGTGGAGACTGCTTCTCCTGAAATAT
AAAACATCTGCTCTTGGTCTGNTTGGCGCTCCACTGTCTGAGGGGAAAAACAGGGAAAAAG
AGGTAATATAAAAAAGACATTGTTTCAGACAATAAATCCCCCTTACTCATTAAATGANAA
AATAAATTT

Sequence 1869

GCTGGGAATGAACAGCGGCAATATCACTAGAAAGGAGGGGACACATAGGGAGGCAATGAA
TAAGTTCATTTAAATTAAAAAAATTTGTTGTGTTTTAAAGGAAAGCGAAGTGGAGA

Table 2

GAGAAACACACCACTAACAACAACAACAACAACAACAAAAGCACAGAATAGGATTAGGAG
ATTTGCCTGAGACAATGAGTGTAGTTTAATTTTCATCAAGCTCCAGTGTCTGAAATGAAA
AAACGTCTAAGGNGTTTATGCTCACAATGGAAACAGGCTAAGCAAGTNAGCCGAAGCTGN
CCGCACTGCTGTCTGCTACAAGAAGACAGGTAAGTGGGAGGGAAAAGCGCTTCCTGCTGA
CTCCACATTCTATTCTACTGTTGCCAAGGTTGCCTCCTGTTTCANATCCCACCACAGCCA
CAGCACTGCAAATGGAGAAGCTATGCCACCACCTGCTTGNTGGGCCCCACTGTCTACTGG
GAATAATTAAAGG

Sequence 1870

CCCTTTGAGCGGCCGCCGGGCAGGTACTTTAAGAAGTAATGCCCTTGAGTTAGAAAAT
CATCATTTTAAATCTCTGATGATATAATGGATTTAGGCAATAATCATNAAAAAACTAAG
TTAAGACTACAACCTGTCAACCAATACCATGTGTAGACCTTGTTTGGATATTGACTTAA
GCAAATAACCCCTACAAAGACACTTTTACAATCAAGAAAAACTGAATGGGGCTGCGCATGG
TGGCTCATGCCTATAATCCCAGCACTTTGGGAGGCAGGTNAATTGCTTGAGCCCAGAAGT
TTNTNGACTANCNTGGGCAACANGGCTAGTAGNCTNGCTCTAATATAATTTNAAAAAAG
AAAACTGANTGTNAACTGAATAGTTNTACNANTATAANAGNANTANATTTTTTGGTTGN
GGCCTNCAACNATNAAAAAAGAGGGGNNNGGNATNNTTTTTTTTGGNNTGGGGANNTN
CCAAAAACCTTNTAAAGNAAANNGGTGNTNCCNTCANGGNNGNAAANCTTTTTTTACNNC
CTTGTAANGGNGGTNAAAAANCCCCCNAAATGGGGGGTACCTTGNNATATATACCCCNNA
AATGCNTTTNAAAAATTTTGGGNCCNNCNTNTTCCCNTTNGTNGANCNNCCATTTNTGC
CCANGGGNGGNNTNAAAAANCGTCCATNCNTCCCNCCCTGAAAAATNTTTTTAGGGNNN
AAANANNTNTTCCNCAATAAAAAAA

Sequence 1871

CCCTTNAGNGGGNCCCCNNGNANGNACTNTGNTANACNGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTANCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGG
CTCTTGACAAAGATAGACCACTAGAACAATGAGAAGGAGAGAATTNTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAATACGACTTCATCATGCTG

Sequence 1872

CCCTTTGAGCGGCCGCCGGGCAGGNACTTGNCCTGTCAACCCTTGCCCTTGAATAATT
NATATTCTTATTTTTCTTGNTCCCAGACTTTGTCTTCAGNGCACTGAGTCAAAGCTTTA
CACTAACAGGCAGTCTTATTTGTTGAATGAATGCATGAAAGGCTGGTTTTATGAAAGCAA
AAATGTTTTTCATAATTAGTATTTGAAAAGATGTGTTTTCAAGTAACTTGCATGTTAAT
AGCCTTTTTTATGATGATGGCCTTTGATAAGTNTGGCAGTAAGAAAAAGAAAGTCACCA
AATCTGAACGATTGAAGCTGCTACAAGAGGAGGAGGAGAGAC

Sequence 1873

ACTCCCCCAGCAAAAACCAAATGCCAGACACATTTTATATAAGAATGAACAATTAATCTG
AATAATAAAAAAAGGCTTATTTATAAAGGTTAAGTTGAATAGTATATACATGCACATAT
ATGCAAAATATATATAATTCAGATATTTTATCTTTCTTAATGCTTACATGACTCTAAACTC
TCACAATTTTAAATTAACATAAAATATGACATAATTGTAAATTTTTCAGCTTTATACAT
CANCATTTTACCATNATGNGGAAAAGATATTTCTTTTNCCTTCTTCTAAT

Sequence 1874

GAGGTACAAAGNCTAACNTTTTGTANCACATAATCAATTGAAACCACACTCTAAAGTTA
AATTAGTTCCTTCCAAATGGGGCAGACACGTGCTGACCAATTAAGAGGCCCAAAGACTTG
GGAGTAGAGGATGAACAGGAATAAATTGAGAAATTATGCAGGAAAATTATTGAAGGAAGA
ATGAAGACGAGAATTCTCAATGCTAAGTTCTGGAAGATGCTGGAAGAGAACTGAATCCAA

Sequence 1875

CCCTTAGCGTGGTCGCGGCCGAGGTACACACAGGCATTACACCCCCAATACACACTTCC
TCCTTCTATCTCCCTGTCTGATTTCCACTCATCCATTCTCAGCTCCTGTTTGTCTGAGGC
CACATGCAACTGGATTTGTCAAGCCCCCTTTTCACAACTTGTTGTACAGTCCATTACCA

Table 2

AATTGCATATAGTTATATATTCCACTAATTAGGCTTCTAAAATATCATTAAACATGTCTCT
TGATCATTAGCATAACGTATGAGGCGACGTCGTTAGGCACGACTCGAGTTTGTTAACGTG
GTAATGAAAGGCACAAGGCANGCTCTGCANGAACCAAGAAGCACAAAGAGAA

Sequence 1876

CCCTTAGCGTGGTCGCGGCCGAGGTACAAGATFTTTACTTTTCCAGCCGCTGTAGGCCAAA
GAAAGGCAGGGAGAGAGAGCCCTTAGGAGTGGATGCTGAGTCAGCCAGTTGCAGTGTCTGC
CCCAGAACCATCCTATAAAAGCCATTTTCAAACTTTATTCAATTGTATGTGAACATGTTTC
AACATCTTTTCAACAAGTGGCTTTTAAATCGTTGTTAGTCATGGGAGCTTTGATTAGATGAA
CTCTTGAGGGGAACCTGGCATGGTGGGCATACCACGACACCAGCTCTCAGAGACTCAGA
TGGAGGGAGCCAGGCTGNGNTGTCGTGGAANCCCCCTGAANCTAANTGANGAGGGTATTT
GGCNAAGAGTAGTTGTAAATTGAAAACCTTTTCATT

Sequence 1877

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTGCTACACGGCCGGGGGCCATTGAGACTGCC
ATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGG
CTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGAC
AAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGG
ATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTNCCTGGGATGTCC
CTTGGAACAAGAAGACAAGGANAAGGCCTTAGGATCTACTGGGGAGTCCGGAGGAGCAGT
NTCTTCTTGTCCTCCGCTGGAA

Sequence 1878

CCCTTTGAGCGGGCCGCCGGGCAGGTACAATGATCCTATTTTCTGAACAGAACCCTGG
CTGAACGGTATTAATAATTCAGGTTCCAAAATGAGCCAGTGGTAAAGAAGAAATAGAGTGG
AAATTTAACACATCCATTTATTATACACTGCAAAATGCAACAGGGACAGATGCCCCATGA
TATTTCTCCTCAGCTGTGATCACTTTCTCTACAAATGTTGAACTAGTGGCTCTTGCTCTAG
GGACTATCTGGACAATTACCTGCAGCTTGGAGTCATTACGGAGATGATCCGTCAAGGAAC
TGGCTCATTTGGGTTACACTCACTGCTCTGTTCTTAACCTTCTGTGTAACAACCTCTGG
AGCTTAAACTTT

Sequence 1879

CCGGGCAGGTACTGTGATATCCACATATTTTGTAGAAAAATTCCAAGCCAGGCGAATGT
GGATTGGAATAAAGACATAGGCAGTGTATACCACCATAGCAATAATGGTTAGTAAGATGG
TGTTAAACATAGATCGCTCCAGGGCTCTAAACAGCACAGCAGCTAATGATTTGGTATT
GATAGTAGAGCCAGGAGAAATATTCTTCACACGCCTCAAATCCATGGTTGGCTCCTTCA
AGCTGCAGTAAGTTTGTCTAAGAAAGTCCAGGTCTGGTTCTTCAGCCTTGCTCCTTCGC
GAAATGATCCTGTGTGGGTTAGTTCTCTCTCTGGGTTGCTGTTTCTCATCTCCCAGTT
GGGTGTATCTCCCTGCGGCTTAAGTGAGCGCCGAGGCNTTNGCTCCTNCCCAGCTGCTGC
GACCT

Sequence 1880

CCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTGGTGATTAAATGCAACCAAAATACGG
GTAGTTTCTATGAATTAGGAGTTCATAGCATCTTCTAAAGCACAGAATTCTGAATAGAAC
TCATCCAGGTGAGAAGCAGAACATTCTAAAGCAGCTTTCAGTTTCTTAACTTGGAGTCT
CCAACCTCAATTGAGAATTATTCTTCTCATGCCAGTCTCCAGGAGCAGCCTGGCCCAGG
CTTCAAGAGTAATACCTCAAGTCTACTTTCAAAGATTCCCAAAGACTGTTTTTCCCTC
ACTTGTTTTGATTGGATCTCATTTCAAAGAGGGCCTTTTCTAAGACTGCTTGATGTTT
TTTTATGGNAAATCTGCTTTAAGTTTCTAATGAAAGTGACCAAGAAGTTTGCCCATTCAG
CCCTTTCTTTTGGGCCATACAAAGTCTGGCAGCCAAAAGTGGATCCTTGACCTNGTGGG
ACCCTNGGCCCGCTCTANAACTAGGTGGGATCCCCCGGGCCTGGCAAGGGAATTCGAT
ANTCAAAGCCTTANTCGATTACCGCCNACCTCAGANGGGGGGGG

Sequence 1881

CCGCGGTGGCGGCCGCCGAGGTACCACTGCACACCAGCCTGGGCAACAGAGCAAGACTCTGT

Table 2

CTGCAGGGAAAAACAAAACAAAACAAAACAAAACCTGTCAAAATCTAGAGGAGCCTAAAGA
GATATAATAATTAATGTGGAGTTATGGAGAAAACAACAGTAGGTAAAACTAAGGCAAT
TCATAAAATATGGACTCTTAATAATTACATATTAGGCCAAGTGCAGTGGCTCACGCCTGT
ATCCTAGCACTTTGAGGGGCTGAGGCAGGCAGATCACGAGGTCANGGGTTCAAGACCAGC
CTGGCCAATATGGTGAAACCCCGCCTCTACTTAAAAATACAAAAATTAGCTGGGTGTGGT
GGTGTGTGCCTGTAGTCCCAGCTACTCAGGAGGCTTGAGGCACCAAGAATCGCTTTGAAC
CCANGANGCCGGANGGTTGCCAAGAATCGCGCCCACTTGACCTCCAACCTTGGGCGAAA
AGANTGATGACTCCCTTTTTAAAAA

Sequence 1882

CGAGGTACACCAGAACACCCAGTAACTGCTAAGGCATTTGACCTAAATACCTGGCTCCA
AGGCAGCATGTCTGGACATGCCTCGGTCTCTGGTAGAAATCACTGCCCTGAAAGGAAACGC
TTTGGGAAACACCTGGTACCTGCCCG

Sequence 1883

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTC AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCC

Sequence 1884

GGCGGCCGCCCGGGCAGGTACATTGGTGCATGTTTTATAAACCCANACACAGATAGCTAA
AACCATAATTAGTTTTCTATACCCAGAGCTTTGAATTAACACAGATGCTTTTTTTTTC
CCCAAGAGCAGACAGTTCTACATTCTAACATTAGGAATTGGTGATACGAGAAGCAGGAT
CCAGAATTGAGATGATTTAGCGAGACTCGGTGAAAAAATGCATTTCCCTGGCTGTT
TGAAAAATTTACTTATTTGCAGATAAGTCTAGATTTAGCCTTGAGATCAAAGTCTTTAT
ATTTTAAAACTTATTCTTTATATTGATCAAACATGGCATATGTTAGAGAACCCTTCTT
CTGTCTATGTTTATGTATTTTGAATTAAGTTGNTTGCATTCACTTTCAAATCTGCCCAT
TTCTGTTTATGTGCACTTACCACAGATGTGTGCGGACTTTGCCTTANGGGAGAGGACTT
NAGACCATTCTNCTTCCCATGGNCTTGGTGCTGAAGTTGGTATGGCACCTGCCATTCC
AGTTCANGAATGGGCTTAGGATCAAAGGCTGGNTATCACTCCAAANCTTNACCACACGA
NGCAAGANGGAAACNGGCCCCCNNAAGATGANCTNCCNTGCTAATTCCTTNANAAGGGNC
CANTCTGNAAATNCCCNNTGGGCNNGGNATGACCNNGGNNTNNGNCCCNNAATTTTGG
NTTCCNNCNCAANCNNGGCCCNNGGAANGGGCCNCCCCAANNTCCCTGNCTTNNGGNN
TNGNTNGTNCCCANNNAAANNANTTGGNCCCCGGGGCCCTGGGAA

Sequence 1885

GGGGCCATTGNTACTGCCATGGAAGACTTGAAAGGTCACAGTAGCTGAGACTTCTGGAGA
GACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAG
AATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAG
TTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTT
CACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTA
TGCTACTTTCACT

Sequence 1886

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTC AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAG

Table 2

Sequence 1887

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACCCTCAAAGGGAGTTCCAGG
GTTGTTGGCCATCTTCTGCCAAAGGCGCTGCTCTTCCCCTGAGAGTCCATCCAATCCAC
GTTCTTCCCATGGCTCACACCACTTCCAGAATTCAAACGAACTCCTCCCAGAAAGATGTT
GCTGGAAAAGGCCTCCTTGTCCCAGATAGTAAGTTCTAGGCAAACATTCTTTATATCCTG
GGGATGGATGCCACTGAACATGAATGTATGATTCCACTGAGGGTTAACACTCTTTTTAT
TACCAGAGTTTTGTGCTTGGTGGTTTTGCTATCATCAGGGAGCAGGTAAGCCCTTCACAA
AGCTATCAGAAGTGCCCTCCTGACTTCACTGCTGTCAAATCTTTGCCTCTTTGATGAACA
CTTCTAGTATTCCTCCAGANATTACAGGTGACTCCTTCTTCTTCCCT

Sequence 1888

CGAGGTACCTACAAGACATCTTAAATTCTACCATGAGCAAATTTCCAAAGAAGANAAAG
GATTTTGAACCANNTCTCCACTCCCAGCACGCCTGATGGCTCGAATGAACATTTGAGC
CAGCCAGNATGAAGACCANCAAAACCCATCAAGCGAGCCCACCAACTGGGGACAGATCA
GNANGCTGACCCACCTTGACANNATAACCTGANAACNCAACAANNNNCCACTANCTNNA
GTAACCTGATGGTAGCTATGATTGCGGTA

Sequence 1889

CCGCGGTGGCGGCCGCCCGGGCAGGTACAGGAGCCCTGATAGCCATACTCGCCTGTGTCT
TGACATTATTGGTGTGATCCTCCTTATCGTCACTATGAGAAGACGGAAAAAGAGCCCC
TTATTTTGGACGAAGAAAGAGACATCAGAGAAAATATTGTGAGATACGATGACGAGGGCG
GGGGAGAGGAGGACACGGAAGCGTTTGACATGGCTGCACTGAGAAACCTCAACGTCATCC
GAGACACCAAGACCCGGAGGGATGTGACTCCAGAAATTCAATTCCTGAGTCGACCAGCTT
TAAAAGCATCCAGATAATGTCATCTTTAGGGAATTTATTGGGAAAGATTAAAAGAAG
CCCGATGTTGATCCTGGTGCTCCTCCTTATGACTCCCTGCAGACCATATGCTTTGAAGG
AAAT

Sequence 1890

CGCCCGGGCAGGTACTGAAACCAGCCGGCTGCTTTGGCGCCAGAGGGCTCAACCTCCACT
CACTCAGACCCACTGCGTTCTGCCCTCGCAGGAGGGAGTGCGCATATGAGTGGGTGCCG
GAACGGCG

Sequence 1891

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGTCCGGGCAGGTACGCGGGATGCCAAGATT
CTCCTGAAAAGACAAGATCCCAAAAGTGCTGTAGCCACAAAATCCTTGAATCCTGGGTT
GGTCGAGGACTTGTGACCCTGGATGGTTCTAAATGGAAAAGCACCGCCAGATTGTGAAA
CCTGGCTTCAACATCAGCATTCTGAAAATATTCATCACCATGATGTCTGAGAGTGTTCCG
ATGATGCTGAACAAATGGGAGGAACACATTGCCCAAACTCACGTCTGGAGCTCTTTCAA
CATGTCTCCCTGATGACCCTGGACAGCATCATGAAGTGTGCTTCAGCCACCAGGGCAGC
ATCCAAGTTGGACAGTACCTCN

Sequence 1892

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGATGATTAA
ATGCAACCAAAATACAGGTAGTTTCTATGAATTAGGAGTTCATAGCATCTTCTAAAGCAC
AGAATTCTGAATAGAACTCATCCAGGTGAGAAGCAGAACATTCTAAAGCAGCTTTCAGTT
TCTTTAACTTGGAGTCTCCAACCTCAATTGAGAATTATCTTCTCATGCCAGTCTCCAG
GAGCAGCCTGGCCCAGGCTTCAAGAGTAATACCTCAAGTCTACTTTCAAAGAGGGCCTTTCTAA
AGACTGTTTTTCCCTCACTTGTTTTGATTGGATCTCATTTCAAAGAGGGCCTTTCTAA
GACTGCAGGTGNTNGTTTTATGGTAATCTGCTTAAGTTTCTNATGAAGTGACAGGAGTTT
GCCATTACCCNGTCTTTGGCCATACAAAGTCTGCAACAAGACTGANCNTTGCACTGTTGT
ACCT

Sequence 1893

CGCCCGGGCAGGTACTTAACTAGGGTTAGCCGAGGTGAGGAGGTGGATGCCTTATTATG
GGATTAGTGCCCTTCTAAGAGGGACAGTAGAGGGCTTGTTTCATGCTCTCTCTCCATGC

Table 2

ACAAGAAAGAGCACACAGTGAGAAGGAAAGAGGCCCTCACCAGAACCTGACCATGCTGGC
ACCGTGATTGCAGACTTCCAGCCTCCAGGATTGTGAGAAGATAAATATCTGTGGTTTAAG
TCACCAAGTCTGTGGTGTGTTTTATGGCAGCACAAAGGGAACCCAGATGATGCTTTTCACC
ACTGGGTGGTNCAGCCCTTTCATGGAAGCTGTCAGCTCCCCAGCCTTGTAATAAATGCTT
GCTGGTCACTCTCTTTGGTCCTTTCAAAATCCTTCTTAAGTGGTGCCTNTACCANGCCC
TTGACTTCATCTTTCTGTCAAAAGGAANGGGTGAGTAAAAGACCTCNGGCCGCTCTTA
NAACTAGTNGGATCCCCCGGGCTTGCAGGAATTCGATTTCAAACTTATCNNTACCCGCC
NACCTCTAAGGGGGGGGCC

Sequence 1894

CGCCCCGGGAGGTACCAGAGGAGGAGATGGATGATCAGAGCCCTGCACCTGTTTCCTGCA
CCCCCTGCCCCTGTTCTATGGCCACAAGGAGTTTTACCCAGTAAAGGAGTTTGAGGTG
TATCATAAGCTGATGGAAAAATACCCATGTGCTGTTCCCTTGTTGGGTGGACCCCTTACG
ATGTTCTTCAGTGTCCATGACCCAGACTATGCCAAGATTCTCCTGAAAAGACAAGATCCC
AAAAGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTGGTTCGAGGACTTGTGACCCTG
GATGGTTCTAAATGGAAAAAGCACCGCCAGATTGTNAAACCTGGCTTCAACATCAAGCAT
TCTGAAAATATTATCACCATGATGTCTGAGAGTGTTCGGATGATGCTGAACAAATGGGA
GGAACACATTGCCCAAACTTCAACGTTNTGGAGCTTCTTTTAACATGTCTTCTGATGA
CCCTGGACAGCATCATGAAGTGTGCCTTTAACACCAAGGGCAGCATTNCAGTTGGACAG
TACCTCGGGNCCGNTCTAAAACTANGTGGGATCCCCCGGGCTTGGCANGAATTTCAATA
TTCAAGCCTTTTCNATACCCGCCGACCCCTCCAAGGGGGGGG

Sequence 1895

CCGCGGTGGCGGCCCGCCCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCC
CTAGAGCCACGCACCAGCCCGCACATTGCCTCTCCATACGGCAGCCCTTTATTTGGAAAC
TTCTAAATCACTTTGCTGTGTGTGTTACACGGGTGGGTTTTGCTTTACTTGCCCTGAG
AGCACACGGGAGTGCAGCACACACCCCAACCCACATCAACTGCCATTAAAGAAAAGAAAT
TTCAGCCCAGAATTTTCATGTCCAGCAAAATTAAGCATCATAAGTGAAGGAGAAATAAGAT
CCTTTTCAGACAAGCAAGTGCTGAGGGAATTTGGTATCACCAGATCTACCTTACGAGAGC
TCCTGAAGGAAGCACTAAATATGGAAAGAAAAGATCATCACCTGCTACTACAAAACACA
CTGAAGTACCTCGGCCGAGGTACTTTNATTTCTTTNTTTTTTTTTTTTTNNNGGNNTTNG
TTTTTAAAAAATCGATCTCTTTTAATTTTAGGCCAATTTTGAGTAGTCAAAAGTCAGAC
AGGTCAATTTTNTGTTTGTNGAGCCGANNACACANNCTTGCAAAAAACCN TGTTNTGANG
GTGTCCCGGGGGGAGGGNNGGNAGCCCGANCTTCTTGGGGANTAATCANCCNTGCNTNGG
GGANNGGCCNCCCTNGTTNAGGGATTGANGGCCANANTNCCCCTNGCAAAAAANTNTTTT
NAAAAANTTCANACCTNCCTTTTTTGGGGNNGGGCCCNCTATGNGTTTTTGGAGNAAAAA
AACCCCGGGGGGGCCCCCAACCNNGNTTTTTTAAAAAACNNCCCCNTTTTTTTCCN
CCCTGNGGGGGGGGGNG

Sequence 1896

CACCGCGGTGGCGGCCCGCCCGGGCAGGTACAAAGGAATATGACGTGCTTTTCTCCAGAAT
CTGAGGGTCAAAAAGTCCAGTGACTCAGGATACATTACAGAGGAGTGTAGCATAAAGAT
GATTGGTTATCCATCTAAAAGAGACGGGAAAAAGTGCCCTTAGTCCCTCTCTGTCTTCC
AGGGAAAACCCAGTGTGTGTGATGGAGAGAAGAAAAGTGCTCTTTTCTTCCATTCT
TATATCGCTGAGTCTGGCGACTCTGTGTACCTCGA

Sequence 1897

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCATGGTCCACTGAAGTTCTCT

Table 2

Sequence 1898

CGTTCGGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCT
GAGTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCAGTACCTGCCCG
G

Sequence 1899

CCGGGCAGGTACCCGAGAACCTATGTTGGTTGTTACTGGTGGCCTGATTCTTGGGCCTCA
AGGCGGCTTGCTNAGATGCCAGTAGTGGCAGGGGTAGAGGGTTCTCAGGCTCCTAGATA
GCTGCTGTGGCATGGGCAATAGCAGTAGCCATGGCAAGATGATTTCTCTGGGTCCTAATC
TGTGTGCATTGATATTGGCAGTAAGCTGTGATGGGCTGGGCGGGCCTGTCTCCAGGTCCA
CAGTTGGTGCTTGCAAGTATATACCAGCTGAGGAGGTACCT

Sequence 1900

TTCCGGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCTGA
GTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCANTACCTGCCCGG
GCGGCCG

Sequence 1901

AGGTACAAGAAACAGAAATACGTCTTTATGTTAACTGTTAGTGAGGCAAAGCAACGCCCA
TGAAGACCTAAGGGAAAACCTAAAGGGAAAAAAGGAAACCCAACCTAAAAGAAAAA
GATAGGGGAGGCAAGAGGAGGCAAGAGAGACAAAGGAAGACACCACAGAGAACAGGAAA
GCAAAAGAAAAGGAGAAAAATACAGGAGAATTGGTAGAAGAAATTATAGGTAATAAATG
TGAGGAACTGAATGTGGGAGGCTACAGAGTGCCAAAAGAAATTAGCTTAAATAGCCAGGC
AAGGTGGTGTGTGCCTGCAGTCCCAGCCACTCCAGGGGCTGAAGCAGGAGAATCAGACCA
CAGGCATGCACCACCATGCCAGCCAATTTTTTTTTTTGTATCTTTAGTAGAGACAGGC
CTTCACCATGCCGCGCCAGGCTGGTCTCAAACCTCCTGACCTCAAGTGATGCGCCTGCCTCA
GCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCCCCAGCCTCTGTCTCATTTTT
AAAAATAAAATGTAAAAAATAAATTATTCAAAGAAATTGGCTTAAGTACCTGCCCNCG
CGNCGCTCTA

Sequence 1902

CCGGGCAGGTACGGAGAGTGGATGGCCCTTCTCACTAGTATTTCTTTTTGAAAGATGTAT
GTGGCCGGGCACAGTGGCTCACACCTGTAATCCCAGCACTTTAGGAGGCCAAGGTGGGCA
GATCACCTGAGGTCAGAAATTCAAACACAGCCTGGCCAACATGGCAAAACCCAATGTCTA
TTGAAAATACAAAATTAGCAGGGCGTGGTGGTGGGTGCTTGTAATCCCAGCTACTTGGG
AGGCTGAGGCAGGAGAATCGCTTGAACCGGGGGGTGGAGGTTGCAGTGAGCCGAGATTG
CACCCTGCACTCCAGCCTGGGCAACAAGAGCGAAACTCCATCTCAAAGAAAAAAGAT
GTATGCTTCATTTTGTGACTTACAGAGAATTTACTTTGGTTTTTGCCTGCTCATGTTTT
TGGCTTTTGGCAAAACCATTTCTGTGTGGCTTTTCTGATGTGCCTTTCTTGTTCCTGT
GACTGTTTGGGTGGAATATTAGAGGAGTGTCTCTTCCAGTCCACCTAATCAAAATCACT
GAAAATGANGCCTAAAGGGTTTCATTTAAAAACAACCCNAAAAAAAAAAAAAAAAANG
GAAAAAGAAAAAGTTCCCTCGGGCCCGCTTCTTAAAACTAAGTGGGATNCCCCGGGC
NTTGCAAGGNAATTTCNNATATTCAAACCTTTNTTCGATTACCCGNCCNAACCTTCNANG
GGGGGGGC

Sequence 1903

AGGTACCAGGATGGACTGCAGGCGGTATTTGACTGGGTAGATAGTGCAGGTGGTAAATTA
GCTTCAATGTCTCCAATTGGAACAGATCTCGAACTGTCAAGCAGCAGATTGAAGAGCTA
AAGCAATTAAAGTCTGAGGCCTATCAACAGCAGATAGAAATGGAAAGACTGAATCATCAA
GCAGAGCTTTTGCTAAAGAAAAGTAACAGAAGAGAGTGACAAACACACTGTTCAAGACCCA
TTAATGGAAGTGAATGATATGGGATAGCCTGGAGGAGAGAATCATCAACAGACAGCAT
AAACTGGAGGGTGCTCTATTAGCCTTGGGTGAGTTCCAACATGCCCTGGATGAGCTCCTG
GCATGGCTGACACACACCGAGGGCTTGCTAAGTGAGCAGAAACCTGTTGGAGGAGACCCCT
AAAGCCATTGAAATTGAACCTGCCAAGCATCATGTGCTCCAAATGATGTATTAGCCCAT

Table 2

CAGTCCACAGTGGGAAGCCGTTAATAAAGCAGGAAATGATCTAATTGAATCA

Sequence 1904

AGGTACGAATGCTCTCTCTCTCTCTTACCAGCATCATCCGAACACTCTCAGACATCATGG
TGATGAATATTTTCAGAATGCTGATGTTGAAGCCAGGTTTCACAATCTGGCGGTGCTTTT
TCCATTTAGAACCATCCAGGGTCACAAGTCCTCGACCAACCCAGGATTCAAGGATTTTGT
GGCTAACAGCACTTTTGGGATCTTGTCTTTTCAGGAGAATCTTGGCATAGTCTGGGTCAT
GGACACTGAAGAACATCGTAAAGGGTCCAACCCACAAGGGAACAGCACATGGGTATTTT
CCATCAGCTTATGATACACCTCAAACCTCCTTTACTGGGTAAAACTCCTTGTGGCCATAGA
ACCAGTGGGCAGGGGGTGCAGGAAACAGGTGCAGGGCTCTGATCATCCATCTCCTCCTCT
GGTACCTGCCCCGGCGGCCGCTCG

Sequence 1905

CCGGGCAGGTACTTAAGCCAATTTCTTTGAATAATTTTTTTTTTTTACATTTTTATTTTA
AAAATGAGACAGAGGCTGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGC
TGAGGCAGGCGCATCACTTGAGGTGAGGAGTTTGAGACCAGCCTGGCCGGCATGGTGAAG
GCCTGTCTCTACTAAAGATACAAAAAAAATTGGCTGGGCATGGTGGTGCATGCCTGT
GGTCTGATTCTCCTGCTTCAGCCCCCTGGAGTGGCTGGGACTGCAGGCACACACCACCTTG
CCTGGCTATTTAAGCTAATTTCTTTGGCACTCTGTAGCCTCCACATTCAGTTCCTCAC
ATTTATTTTACCTATAATTTCTTCTACCAATTCCTGTATTTTCTCCTTTCTTTTGT
TTCCTGTTCTCTGNGNGTCTTCTTTGGCTCTCTTGCCTCCTCTTGCCTCCCTATCT
TTTTTTCTTTAGGGTGGGTTTCTTTTTTTTCCCTTTANGTTT

Sequence 1906

CCGGGCAGGTACTTTTAGTGAGACGGGGTTTCACCGTGTTGCCAGGATGGTCTCGATC
TCCTGACCTTGTGATCTGCCCGCCTCAGCCTCCCAAAGTGCTGGGATTACGGGTGTGAGC
TGCCGCACC

Sequence 1907

CCGGGCAGGTACAAAAGAACCAAATGGAGGCCAGGCACAGTGGCTCACACCTGTAATCCC
AGCACTTCGGGAGGCGGAGGCAGGTGGATCACCAGATCAGGAAATCGAGACCATCCTGGC
TAACACAGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAGCCGGGCATGGTGGCGG
GCACCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGG
CAGAGCTTGCAGTGAGCAGAGATCGCGCCACTGCACTCCAGCCTGGGCAACAGAGCAAAG
AGTCTGTCTCAAAAAAACAAAAACAAAAACAAAAACAAATGGAATTAACAACCTGAA
AAATACAAAAACCAAACGAAAACTCATTGGACAAGCTCAACAGTAGACTGCATATGGCA
GAAAAAAGAATCAGCTGAAAAAAGTCAACAGAAATTAACCAATATGAAAAAAGGGAA
AAATAGACCAGAAAAAGGGGGTAAACATGAAAGCCCAAGAGACCTCTGAGACAGTAACAA
AAAGCTCTCCATTCTTATCCAGAGAGGAGAAAGAGTTGGGATGAAAAAATNTTTCAGAAA
TATGGTTAAATTT

Sequence 1908

AGGTACTTATATAATGTGGAGCACACTTGTGGCACCACAGCCCCCACTACCAGCTTCTG
AAGCAGGGAGAGAGCTTTGCCGTGCACACTTGCAAGAGCAAATCCACGAGGAACCCCTCTC
CTTAAGTGGACGGTGGGCGAGGGGGCCCTCAACGAGTTTGCTTTCTCCCCAGATGGCAAG
TTCTTAGCGTGCGTGAGCCAGGACGGGTTTCTGCGGGTGTTCAACTTTGACTCAGTGGAG
CTGCACGGTACCTGCCCC

Sequence 1909

AGGTACCCAGCCAGGATGCAATTTTAAATAGGGGGTTTCGAGCTCAGTAAGAAGGGCATGT
TGAACAAAAGACAGAAGAAGATGAGCAAGTGGGCCAAGGGTGTGAGGGAAGGAGAGTCCCA
CAAACAGAAGAGCAAGTATAAAGGTCCACAGTAGGGCCTGTGCCAGCGTGTCTGAGGAA
CTGCAGGGAGGCCCATATGGCTGGAGAAGAGTGAGGAATAGGGAGAGGAGCAGGGATGGG
GTCAGAGACAGGATGAGATGGCAGAGTGTGCAGGAGGATGGGAGTGATCAGTCAGAGTTT
TGTGGCCATCGTAAGAACTTTGGATTTTTCTCTGAAATGGGAGTGATTGTAGGATTTTGA

Table 2

GTAAAGGAGGGACTTGATCTGACTTAGATATGAAATGAGATCTTTGGCTCCTCTGTGTCA
AGAACTGTGAAAGTTNTGCTTACAAGCTAACAGCCTGCTGCAGTTTCACAGATACTAGCA
GAGACACGGGGCTTCCTGGTCAGAGACAAAGG

Sequence 1910

AGGTACCACGTTATCTATCGCGAGTGATAAACCGCCTCTAAACTTTGTGACTTCAAAAAC
ACATATTTTGTCTGATTCTGCATGTCAGCAATTTAGGTTGGGCTCAGAAGGGCAGTGC
TTATCCTATTCTGGGTCTCTTATGTGTTTGCAGTCAACTGCAGATTGGCAGGGAGGGTTT
GCTTCAGGAGGTTGGCTGGCTGTCCACCGGGTCCCTCAGTTCTCTGGCATGTATCTTTC
ACCTNCAGCACGCCAGCCTGGGCTTGT

Sequence 1911

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTAAATTTACAAAATATCTCTGCCACCAC
CAAAACCACAAAAGTATGCTTAATCTTGCTCTTCTAACATATAAGAGTGACCCAGCCATG
AGAAAAATGTTGAATCATCCATATTTCTATATCATGCCTGTGTTAACGTCTGATGGATAC
CATTTTAGTTGGACCAATGATCGATTTTGGAGAAAAACAAGGTCAAGGAACCTCAAGGTTT
CGCTGCCGTGGAGTGGATGCCAATAGAACTGGAAGTGAAGTGGTGTGATGAAGGAGCT
TCTATGCACCCTTGTGATGACACATACTGTGGCCCTTTTCCAGAATCTGAGCCGGAAGTG
AAGGCTGTAGCTAAGTTCTTCGAAAACACAGAAAGCACATTAGGGCTTATCTCTCCTTT
CATGCATATGCTCAAGATGTTACTGTATCCCTATTCTTACAAATATGCAACAATTCCCAA
TTTTAGATGTGTGGAATCTGCAGCTTATAAGCTGTGAATGCACTTCAGTCAGTATACGG
GGTACCTGCCCCGGGCGGGCCGCTCTTAGAACTAGGTGGNTCCCCCGGGCTTGCAAGG
GAATTCGAATNTCCAAGCTTTATCGGATACCCGGCCGACCTCGAAGGGGGGGGGCCCCCG
GTTNCCCCAGCTTTTTG

Sequence 1912

CCGGGCAGGTACTACTGGCCTCTAGGAGGCAGAGGTGAGAGATGTTGCTAAAATACGCAA
GACAGTCTACACGACCAAGAATCATCTGATCTAAAGTGTCAATAGCTCCAAGATTGAGA
ACCTTGGTCTGTGTACCT

Sequence 1913

NCCNTGCCAAGTGGAAGTCTGTTCTGCTTCAGCAATATGCTTCATTTTCATGATTGCAG
AGGTCGTGGGTGGGCACATTGCTGGGAGTCTTGCTGTTGTCACAGATGCTGCCACCTCT
TAATTGACCTGACCAGTTTCCTGCTCAGTCTCTTCTCCCTGTGGTTGTCATCGAAGCCTC
CCTCTAAGCGGCTGACATTTGGATGGCACCGAGCAGAGATCCTTGGTGGCCTGCTCCCCA
TCCTGTGCATCTGGGTGGTGACTGGCGTGCTAGTGTACCT

Sequence 1914

GCCAGGATGCAATTTTAAATAGGGGGTTCGAGCTCAGTNAGAAGGGCATGTTGAACANN
ACAGAAGAAGATGAGCAAGTGGGCCAAGGGTGTGAGGGAAGGAGAGTCCACAAACAGAA
GAGCGAGTATAAAGGTCCACAGTAGGGCCTGTGCCAGCGTGTCTGAGGAACTGCAGGGA
GGCCCATATGGCTGGAGAAGAGTGAGGAATAGGGAGAGGAGCAGGGATGGGGTCAGAGAC
AGGATGAGATGGCAGAGTGTGCAGGAGGATGGGAGTGATCAGTCAGGGTTTTGTGGCCAT
CGTAAGAACTTTGGATTTTCTCTGAAATGGGAGTGATTGTAGGATTTGAGTAAAGGAG
GGACTTGATCTGACTTAGATATGAAATGAGATCTTT

Sequence 1915

AGGTACGCCTATGCCAAGTGGAAGTCTGTTCTGCTTCAGCAATATGCTTCATTTTCATG
ATTGCAGAGGTGCTGGGTGGGCACATTGCTGGGAGTCTTGCTGTTGTCACAGATGCTGCC
CACCTCTTAATTGACCTGACCAGTTTCCTGCTCAGTCTCTTCTCCCTGTGGTTGTCATCG
AAGCCTCCCTCTAAGCGGCTGACATTTGGATGGCACCGAGCAGAGATCCTTGGTGGCCTG
CTCTCCATCCTGTGCATCTGGGTGGTGACTGGCGTGCTAGTGTACCTGCCCC

Sequence 1916

AGTGAAGCTAACTACATTAATTGCCGTTGCGCCTCACTTGCCCCGCTTTTCCAGTCGGG
GAAACCCTGTCCGTGCCAAGCTTGCAATTAATGAAATTCGGCCAACCGCGCCGGGGGGAG

Table 2

GAGGCGGTTTTGCGTATTTGGGGGCGCTTC

Sequence 1917

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTTCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGAA
GAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCCACCATCCTTTCACATGGTCAAACCA
GGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAGG
ATCAAGCATAAANGAAGCCATCCTGTGAAAAGTGGTAAGTAGGGACACCAGGCAATCCTT
TGGGATTTCTTGGCCACAATAGACAAATCTTGGCAAGTTTTCTTTCCAGATAAGATTGG
TGGAATCANAAATNTTAAAGGGAGAATGTGGTTTTANTCAATTGGNGGNGAAGGACANTT
TAAAGAACGAACTTTCAAATCTTGGTTTTCTTTATTGG

Sequence 1918

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTTCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAAT

Sequence 1919

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCA
TTACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCT
CCAAGAATTTCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGA
AGAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCCACCATCCTTTCACATGGCCAAACC
AGGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAG
GATCAGGCATAAAGGAAGCCATCCTGTGAAAAGTGGTAGTAGGACACCAGGCAATCCTTGG
GATTTCTGGCCACATAGACAATCTTGCAAGTTTTCTTTCCAGATAGATGGTGAATCAGAT
GTGAAGGGAGATGTGTTTTATCAGTTGGTGGTGAGGACATTTCAAGAACCAACTTCCAA
ATCTGGGTTTTCTTTATGGGGGAAATTT

Sequence 1920

CGCCAGTGTGATGGGATATCTGCAGAAATCGCCCTTAGCGTGGTCGCGGCCGAGGTACA
ACATGGATGCATGAAATTTAGACATGATTCTAAATGATGGTGATGTGGAGAAATGCAAA
AGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTGAATTTCCCATAAAGAAAAA
CCAGATTTGGAGTTTCGTTCTTGAAATGTCCTCACCACAAGTGAATAAAACACATCTCCCT
TCACATCTGATTCCACCATCTATCTGGAAGAAAACTGCAAGATTGTCTATGTGGCCAGA
AATCCCAAGGATTGCCTGGTGTCTACTACCACTTTCACAGGATGGCTTCCTTTATGCCT
GATCCTCAGAACTTAGAGGAATTTTATGAGAAATTCATGTCCGAAAAGTTGTTGGCAGG
TCCTGGTTTGACCATGTGAAAGGGATGGTGGGCTGCAAAAGACACGCACCGGATCCTCTA
CCTCTTCTACGAGGATATTAATAAAAAAT

Sequence 1921

CCCTTAGCGTGGTCGCGGCCGAGGTACAACATGGATGCATGAAATTTAGACATGATTCT
AAATGATGGTGATGTGGAGAAATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCT
TGAAGTGAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTC
ACCACAAGTGAATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGA
AACTGCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCA
CTTTCACAGGATGGCTTCCTTTATGCCTGATCCTCAAACTTAAAGGAATTTATGAGAA
ATTCATGTCCCGAAAAGTTGTTGGCGGGTCTGGTTTGACCATGTGAAAGGATGGTGGGC
TGCAAAAGACATGCACCGGATCCTCTACCTNTTCTACGANGATATTAATAAAA

Sequence 1922

TATAGGGAGTGCACCCACGCGTCCGCCTCTCATGGTTTATTGTCACCATGTCCCTGCTGT
GCCCACTGCTGCTGGCTTTAGCCCTGGTGGCTGTCCCTGGTGCCCATGGCAATTGCCCGG
TGCCCGCAGACCTGAAGAAGTCAGATGGGACGCGTACGTGCGCCAGACTCTATGAGAAGA
GTGATCCATACTATGACAAGTGTGCCAGGGGCCCGTGTGTCTGTGGAGCCAGGTACTG

Table 2

ACCTGCCCTATCTGCCCTCGGGCTGGTCTAACACTGCATCGTCTCTGGTAGTGGGCCAGC
GCTGTGAGATCACTGTGTGGTCTCTCCCGGTAAGCATGGCAAGACCCGCAAGTTCACCG
CGGGTTCTTGCCTCCCTGAAAAAGTACCGCAAAGGCATCTTGGAGACTGGTCCGACTC
CATCTNTGCCTCTACTGCAAAGTGCTATTGATGCCTTGAGGCTCTGTCTACCANCCTGGC
CTTGGGAATTGCTGTACTTCAAAANCCAGGANGCAAGATGACCCACGACCTGCTCTNAT
AGCTTCCTGTAATACAGCCCTTTCAAAAGTTAAAAA

Sequence 1923

CTCTGGGAGAGGGAAGCTCCCTCCTGGNNCCACCCCTTTCCCAATNATTGAAACATCCT
TCATATANATATAAAGANCATNAGCAAATCTTCAACTATTTCTCAAAAGTCTATGGCCCC
GTGTTCACTCTGTACTTTGGTTCAAAGCCTACTGTGGTGGTACATGGATATGAAGCAGTA
AAGGAAGCTCTGGATNACCTTGGAGAGGAGTTTTCTGGGAGGGGTAGTTTTCAAATTTT
GAAAGAATAAATAATGATCTGGGGGTGATTTTCAGCANTGGAACAAAATGGAAGGAGCTT
CGCGCTTCTCAATCATGACCTTGAGGAGTTTTGGGATGGGGAAAAAGGAGCATCGAGGAT
CNCATTCAAGAAGAANCATCCTGCTTGTGGAAGAACTAAAAAAGCAAATGGTTCACCTC
TGGGATCCCCATTATCCTGACTGNGCTCCCTCCAATGNGATCTGTTCAAGTTNTTTTCCA
CAATCNNTTTGATTATAAAGATGAGAAGTTTCTTAACCTTGATGGANAGACTCATGAAAA
CTTTAAATCTTGAACCTCCCATGGATGCAGGTCTCAATGCTTTGCCTACCCTNATAATTT
TTTTCCCGGGGNCATAACAAAGTNNTTAAAAATTTTN

Sequence 1924

CCCTTAGCGTGGTCGCGGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCA
TTACATCAAATGAGGTATGGTGGACAATCTTGTTTATAACATCACCTGACCAAGTTTTCT
CCAAGAATTCCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGA
AGAGGTAGAGGATCCGGTGCATGTCTTTGCAGCCCACCATCCTTTCACATGGTCAAACC
AGGACCCGCCAACAACTTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAG
GATCAGGCATAAAGGAAGCCATCCTGTGAAAAGTGGTAAGTAGGACACCANGCAATCCTT
GGGATTTCTGGCCACATANACAATCTTTGCAAGTTTTCTTTCCTGATAGATGGTGGAAATC
AGATGTGAAAGGGAGATGTGTTTTATCAAGTTGGTGGTGAGGACATTTCAAGAACCAGAA
CTCCAAATCTGGTTTTTCTTTATGGGGAAA

Sequence 1925

CCCTTAGCGTGGTCGCGGGCCGANGTACCGCATTATGGTTGGCCATGGGATTATCCTTCA
TACATCAAATGAAGTATGGTGNACAATCTTGTTTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTCCAACACCTTGTGGATCTCATGTTTTGGATTTTTTTAAATATCCTCGTACA
AGAGGTNGAGGATCCGGTGCATGTCTTTGCAGNNCCACCATCCTTTNACATGGTCAAAC
CAGGACCCGCCAACAACTTTTCTGGACCATGAATTTCTNATNAAATTCCTCTAAGTTN
TNAGGATCANGCATAAANGAAGCCATCCTGTGAAANNTGGTANTAANGACCACNTTGCAA
ATTCTTGGGG

Sequence 1926

CCCTTAGCGTGGTCGCGGGCCGAGGTACTCATTGGAGGATCAGCTCACCTGCTTTGCTCTC
GATGTAGCCTAGCTGGGTTTAGAGCCTTCCCTTGAATGAAGAACCCTCCCCAGCTGGAAG
GGGATGCTCTTGAAAGCTCAGCTGACAACACACATGGGCATCAAGTCATTGGCCACATTC
ATGCCTCAAGTGTCTAAAACCGAATATGATCAAAAGAAAACCTGCTGTTCAANCAAGTG
GGANACTGGCATGCANATTCCTTGGCCTTGCAAACCTNATTGTTAAAAAAGATACCAAAA
ACTNGCTGGGAAAGAAA

Sequence 1927

CCCTTAGCGTGGTCGCGGGCCGAGGTACAACATGGATGCATGAAATTTTAGACATGATTCT
AAATGATGGTGTGAGAAATGCAAAAGAGCCAGACTCTAGATAGACACGCTTTCTCCT
TGAAGTGAATTTCCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTC
ACCACAAGTATAAAGACACATCTCCCTTCACATCTGATTCCACCATCTATCTGAAAGA
AAACTGCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCCCGGTGTCTACTACCA

Table 2

CTTTCACAGGATGGCTTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTTATGAGAA
ATTCATGTCCGAAAAGTTGTTGGCGGGTCTCGGTTTGACCATGTGAAAGGATGGTGGGC
TGCAAAAGACATGCACCGGATCCTCTACCTCTTCTACGAGGATATTAATAAAAA

Sequence 1928

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAGTGGTGCTGCTGGAAAGAATAAATAATGGA
GAATGAAACATTACTGGAAAATCTAAGCAGACCATGGGGACCACAGAGTTTCATTGACA
TCTTAGACTACAAAGCTTATCTACCTTTCCTCATAAAAGGGGAGATGGAGTGGTCCATAA
TGCTGGTGGGCAAAGTGGTATAGTTGGTCATTGGGTTTTGCTTCATTACATCAAAGGAGG
TGTGATAGATGATTTTATTCAGAAATTCCTCTGATATGTCTTTTCCAGGAACCTCAGTA
TCTTCTCAATTTCCCGCTTTGGGTCTAGTTTGTGTTGTTCTCTCAGATCTCCAGGCA
GAAGTTCAGTGTGGACCCTGCCATCTTCTT

Sequence 1929

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTCTTTTTTCTTTTTTAAAGATTTTGAT
AAGAACACAACATGAAATCCATCCTCTTCATAAATTTGTAAGTCACAGTACAGTATTGT
TAACTATAGGTAAAATGTTGATACCAGTAGACGGTGATAAGTCACATATGTACATTGTAT
TGCCAAAGGGCAACCGCTAAGAAAATTTATATAGTAATACTCAGAACTCTATAAAT
AATCAAGATGGAATCATAAAATATTCTAATAACCCAGAAAAGCAAGAAAAACAGAGG
AACAAAGGAACAGAAGAAACAAACACAAAATAATAAATAGCAAACCTATGGCCTGA
CAGAAGTATTTACTTTAAAAGGATACAATATGAAGAAAAGGAAAAATTGACCATGAAAA
AAGATTTGTCTATGAAAATGATTTT

Sequence 1930

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTCACACCTTGTGGATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAA
GAGGTAGAGGATCCGGTGATGTCTTTGCAGCCACCATCCTTTCACATGGTCAAACCA
GGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATCCTCTAAGTTCTGAGG
ATCAGGCATAAAGGAAGCCATCCTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGG
ATTTCTGGCCACATAGACAATCTTGCAGTTTTCTTCCAGATAGATGGTGGAATCAGATG
TGAAGGGAGATGTGTTTTATCAGTTGTGGTGAGGACATTTCAAGAACGAACCTCAAATC
TGGTTTTCTTTATGGGGAAAATTCAGTT

Sequence 1931

CCCTTAGCGTGGTCGCGGCCGAGGTACAACATGGATGCATGAAATTTTAGACATGATTCT
AAATGATGGTGATGTGGAGAAATGCAAAAGAGCCAGACTCTAGATAGACACGCTTTCCT
TGAAGTGAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTC
ACCACAACATGATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGA
AAACTGCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCA
CTTTCACAGGATGGCTTCCTTTATGCCTGATCCTNAAGAACTTAGAGGAATTTTATGAGA
AATTCATGTCCGAAAAGTTGTTGGCGGGTCTGGNTTGACCATGTGAAAGGATGGTGGG
CTTGCAAAAGACATGCACCGGATCCTNTACCTTTTTTNCAGGATATTTAAA

Sequence 1932

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTATAACATCACCTGACCAAGTTTTCTC
CAAGAATTCACACCTTGTGGATCTCATGTTTTGGATTTTTTTAATATCCTCGTAGAA
GAGGTAGAGGATCCGGTGATGTCTTTGCAGCCACCATCCTTTCACATGGTCAAACCA
GGACCCGCCAACAACTTTCCGGACATGAATTTCTCATAAAATCCTCTAAGTTCTGAGG
ATCAGGCATAAAGGAAGCCATCCTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGG
ATTTCTGGCCACATAGACAATCTTGCAGTTTTCTTCCAGATAGATGGTGGAATCAGATG
TGAAGGGAGATGTGTTTTATCAGNTTGTGGTGAGGACATTTNAAGGAACGAACCTCAA
TCTGGGTTTTTCTTTATGGGGAAAATTTTCAGTTCA

Table 2

Sequence 1933

CCCTTAGCGTGGTCGCGGCCGAGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCAT
TACATCAAATGAGGTATGGTGGACAATCTTGTATAACATCACCTGACAAAGTTTTCTC
CAAGAATCCAACACCTTGTGGATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAA
GAGGTAGAGGATCCGGTGCGTGTCTTTGCAGCCCACCATCCTTCACATGGTCAAACCA
GGACCTGCCAACAACCTTTCCGGACATGAATTTCTCATAAAATTCCTCTAAGTTCTGAGG
ATCAGGTATAAAGGAAGCCATCCTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGG
ATTTCTGGCCACATANACAATCTTGCAGTTTTCTTCCAGATAGATGGGTGGAATCAGAT
GTGAAGGGAGATGTGTTTTATCAGTGGGGTGAGGGACATTTCAAGAACCAACTCCAAAT
CTGGGTTTTCTTTATGGGGAAATTC

Sequence 1934

CCGGGCAGGTACAACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGT
GGAGAAATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTAAATTTCC
CCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTCCTCACCACAACCTGATAAA
AACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAGATTGT
CTATGTGGCCAGAAATCCCAAGGATTGCCCGGTGTCCTACTACCCTTTCACAGGATGGC
TTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTATGAGAAATTCATGTCCGGAAA
AGTTGTTGGCAGGTCTGTTTGACCATGTGAAAGGATGGTGGGCTGCAAAAGACACGCA
CCGGATCCTCTACCTCTTCTACGAGGATATTAATAAATCC

Sequence 1935

AGGTACAACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGTGGAGAA
ATGCAAAAGAGCCCAGACTCTAGATAGACGCGCTTTCCTTGAAGTAAATTTCCCATAA
AGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTCCTCACCACAACCTGATAAAACACA
TCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAGATTGTCTATGT
GGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCCTTTCACAGGATGGCTTCCTT
TATGCCTGATCCTCAGAACTTAGAGGAATTTATGAGAAATTCATGTCCGGAAAAGTTGT
TGGCGGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTGCAAAAGACATGCACCGGAT
CCTCTACCTCTTCTACGAGGATATTAATAAATCCAAAACATGAGATCCACAAGGTGTT
GGAATCTTGGAGAAAACCTTGGTCAGGTGATGTTATAACAAGATTGTCCCATACCTCA
TTTGATGTAATGAANGATAATCCCAT

Sequence 1936

CCGGGCAGGTACAACATGGATGCATGAAATTTTAGACATGATTCTAAATGATGGTGATGT
GGAGAAATGCAAAAGAGCCCANACTCTAGATAGACACGCTTTCCTTGAAGTAAATTTCC
CCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTCCTCACCACAACCTGATAAA
AACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTACAAGATTGT
CTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCCTTTCACAGGATGGC
TTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTATTGAGAAATTCATGTCCGGAA
AAGTTGTTGGCAGGTCTGTTTGACCATGTGAAAGGATGGTGGGCTTGC AAAAGACACG
CATCGGATCCTCTACCTCTTCTACGAGGATATTAATAAATNCAAAACATTGAGATCC
ACAAGGNGTTGGAATTTCTTGGAGAAAACCTTGTNAGGTGATGTTATAAACAAGANTT
GTNCCACCATTACCTCATTTTGGATGGTAATNGAAAGGAATAAATTNCCAATGGGCCCAA
CCNATACTGCGGGGTACCCNTNGGGCCCGCTTNTAAAAAAGTAGTNGGGATCCCCCGG
GGCCTTGCAGGGAAATCCGATAATCAAAGNCTTTATTCGATACCCCGNNCCACCNTCTG
AAGGGGGGGGC

Sequence 1937

TCCGCTCCACCGCGGTGGNTGCCGAGGTACATTNTGGATGCTTNAAATNTAGACATGAT
TCTAAATGATGGTGATGTGGAGAAATGCAAAAGAGCCCAGACTCTAGATAGACACGCTT
CCTTGAAGTAAATTTCCCATAAAGAAAAACCAGATTTGGAGTTCGTTCTTGAATGTC
CTCACCACAACCTGATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGAA

Table 2

AGAAAAGTCAAGATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTA
CCACTTTACAGGATGGCTTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTTATGA
GAAATTCATGTCCGGAAAAGTTGTTGGCGGGTCTGGTTTGACCATGTGAAAGGATGGTG
GGCTTGCAAAAGACATGCACCGGATCCTCTACCTCTTCTACGANGATATTAACAAAAA

Sequence 1938

AGGTACAACATGGATGCATGAAATTTAGACATGATTCTAAATGATGGTGATGTGGAGAA
ATGCAAAAGAGCCCAGACTCTAGATAGACACGCTTTCCTTGAAGTGAATTTCCCATAA
AGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAAGTGAATAAACACA
TCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAAGTGAAGATTGTCTATGT
GGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCCTTTCACAGGATGGCTTCCTT
TATGCCTGATCCTCAGAACTTAGAGGAATTTTATGAGAAATTCATGTCCGGAAAAGTTGT
TGGCAGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTTGCAAAAGGACACGCCCCGG
ATCCTCTACCCTCTTCTACGAGGGATATTAACAAAAAATCCCAAAACCATTGAGATCC
CACAAGGTGGTTGGGAAATTTTNGGGAGAAAACCTTTGTCCAGGGNGGATGNTTA
TTAAACAAAGANTTGGNCCNCCCATAACCTTCANTTTGGANTGNAAATNGAANGGGATT
AATCCCCATNGGGGCCAACCATACCTGGGGGNACCCTGCCCGGGCCGGGGCCGNTNTAA
NACTNGTGGGAATCCCCCGGGCTTGNAAGGGAATTNGANATCNAAGCTTANTNGATT
CCGTCGAACCTCGAGGGGG

Sequence 1939

TGCGCTCACTGCCCCGCTTTTCCAAGTCGGGGAAACCTTGTCNTTGCCAGCCTGCATTAA
ATGAAATTCGGCCCAACCGCGCGGGGGAGGAAGGCCGGGTTTGCGTAATTGGGGCCG
CTCTTTCCCGCTTTNCTTCGCTCACTTGACTCGCTTGNCGCTCGGGTCGTTTCGGCTTG
NGCNGAAGCCGGTANTCAAGCTCAACTTCAAAAGCGGGTAATTACGGGTTTATCCACA
AGAAATCAAGGGGGGATAAACCGCCANGGAAAAGNAACATGTGNAAGCCAAAAAGGCC
AGNCAAAAAGGGCCANGGAAACCGNTAAAAAAGGCCGCGNGTTTGCTGGCCGTTTTTT
TTCCATTAGGGCCTCCCGNCCCCCCTGNACCGNAGCCATCANCAAAAAANCTNACNCC
TTNAAANGTTAGAAAGGTNGGGCGNAAAACCCNGGANANGGGACCTTTTTNANAGGANT
TCCCCANGGCGGTTTTTCCCC

Sequence 1940

GACCACGCGTCCGGCGCCCGGAGACTGTGCAAGGTCACCAAATCAGTGACCATCGTTGTC
CTGTCTTCTTCTGTGTTGGCTGCCCAACCAGGCGCTCACCACCTGGAGCATCCTCATC
AAGTTCAACGCGGTGCCCTTCAGCCAGGAGTATTTCTGTGCCAGGTATACGCGTTCCCT
GTGAGCGTGTGCCTAGCGCACTCCAACAGCTGCCTCAACCCCGTCTCTACTGCCTCGTG
CGCCGCGAGTTCCGCAAGGCGCTCAAGAGCCTGCTGTGGCGCATCGCGTCTCCTTCGATC
ACCAGCATGCGCCCCCTTACCAGCCACTACCAAGCCGAGCACGAGGATCAGGGGCTGCAG
GCCCCGGCGCCGCCCCAC

Sequence 1941

AGGTACCGCAGTATGGTTGGCCATGGGATTATCCTTCATTACATCAAATGAGGTATGGTG
GACAATCTTGTATAACATCACCTGACAAAGTTTTCTCAAGAATCCAACACCTTGTG
GATCTCATGTTTTGGATTTTTTAATATCCTCGTAGAAGAGGTAGAGGATCCGGTGCGTG
TCTTTTGACGCCACCATCCTTTCACATGGTCAAACCAGGACCTGCCAACAACCTTTCCG
GACATGAATTTCTCATAAAATCCTCTAAGTTCTGAGGATCAGGCATAAAGGAAGCCATC
CTGTGAAAGTGGTAGTAGGACACCAGGCAATCCTTGGGATTTCTGGCCACATAGACAATC
TTGTAGTTTTCTTCCAGATAGATGGTGGAATCAGATGTGAAGGGAGATGTGTTTTATC
AGTTGTGGTGAGGACATTTCAAGAAACGAACTTCAAATCTGGTTTTTCTTATGGGGGA
AATTCAGT

Sequence 1942

AGGTACAACATGGATGCATGAAATTTAGACATGATTCTAAATGATGGTGATGTGGAGAA
ATGCAAAAGAGCCCANACTCTAGATAGACACGCTTTCCTTGAAGTGAATTTCCCATAA

Table 2

AGAAAAACCAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAACCTGATAAAAAACACG
TCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAGATTGTCTATGT
GGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCACTTTCACAGGATGGCTTCCTT
TATGCCTGATCCTCAGAACTTAGAG

Sequence 1943

CGAGCGGCCGCCCGGGCAGGTACGCGGGTGAAATTTTAGACATGATTCTAAATGATGGTG
ATGTGGAGAAATGCAAAAGAGCCAGACTCTAGATAGACACGCTTTCCTTGAACCTGAAAT
TTCCCCATAAGAAAAAACAGATTTGGAGTTCGTTCTTGAAATGTCCTCACCACAACCTG
ATAAAACACATCTCCCTTCACATCTGATTCCACCATCTATCTGGAAAGAAAACCTGCAAG
ATTGTCTATGTGGCCAGAAATCCCAAGGATTGCCTGGTGTCTACTACCACTTTCACAGG
ATGGCTTCCTTTATGCCTGATCCTCAGAACTTAGAGGAATTTTATGAGAAATTCATGTCC
GGAAAAGTTGTTGGCAGGTCTGGTTTGACCATGTGAAAGGATGGTGGGCTGCAAAAGAA
CACGCACCGGATCCTCTACCTCTTCTACGAGGATATTAATAAAAAATCCAAAACATNAGAT
CCACGAGGTGTTGGAAATCTTGGAGAAAACCTTTGTCAGGTGATGTTATTAACAAGAT
TGTCCCCCATANCTNATTTGGATGGTTAATGAAAGGATTNATTCCTANTGGGCCCAAN
CTTACCTGGGGGGTTNCCTTTNGGCCGNTTTTTANAACTAGTNGGATTCCCCCNNGGGCC
TTGNAANGAATTNTTTNTTCCAANNCTTTTTNGNNNCCCCGNNNGGCCCTTTANNGG
GGGGGGG

Sequence 1944

CCCTTTCGAGCGGCCGCCCGGNCAGGTACAGGAGCCCTGATAGCCATACTCGCCTGTGTG
TTGACATTATTGGTGTGATCCTCCTTATCGTCACTATGAGAAGACGGAAAAAGAGCCC
CTTATTTTACGAAGAAAGAGACATCAGAGAAAATATTGTGAGATACGATGACNAGGGC
GGG

Sequence 1945

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTA
CAGGAGCCCTGATAGCCATACTCGCCTGTGTCTTGACATTATTGGTGTGATCCTCCTTA
TCGTCACTATGAGAAGACGGAAAAAGAGCCCTTATTTTACGAAGAAAGAGACATCA
GAGAAAATATTGTGAGATACGATGACGAGGGCGGGGGAGAGGAGGACACGGAAGCGTTTG
ACATGGCTGCACTGAGAAACCTCAACGTCATCCGAGACACCAAGACCCGGAGGGATGTGA
CTCCAGAAATCAATTCCTGAGTCGACCAGCTTTTAAAGCATCCAGATAATGTCATCT
TTAGGGAATTTATTTGGGAAAAGATTAAAAAGAACCCGATGTTGATCCTGGTGCTCCTC
CTTATGACTCCCTGCAGACATATGCTTTTGAAGGAAATGGCTCAGTTGCTGAATCACTCA
GCTCTTTAGATTCCATCAGCTCAAACCTTTGATCAGAACTATG

Sequence 1946

CCCTTAGCGTGGTCGCGGCCGAGGTACGGAAACAACACGGAGCCTTTGATCACCTTGAG
GGAAGCATATCCTTCAGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCA
GCTGGGAATGCCATCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGTCT
CTTCGCTTGCCCTTTTCTCCAAACCTGGATGACTACAACCCGGACATCCCTGAGTGGAGG
AGGGACATCGGTGAGTCATCAAAAAATCCCTGGTGGGAAGCCACAGGGGTTCCAGGCCAG
CACATCCTGGTGGCAGTGCTCCCTGGCTTACCCACCACTGCTGAACTCTTTTGCCTACC
CTATCANGATCCAGCTGGAGAAAACAAA

Sequence 1947

CGCGGCCGAGGTACGGAAACAACNCNGAGCCTTTGATCACCTTGAGGGAAGCATATCCT
TCAGATTTACTTCANAAGGAATGAATACCATCACAGTGCAGGTCTCANCTGGGAATGCCA
TCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGTCTCTTCGCTTGTCT
TTTCTCCAAACCTGGATGACTACAACCCGGACATCCCTGAGTGGAGGAGGGACATCGGT
CGAGTCATCAAAAAATCCCTGGTGGGAAGCCACAGGGGTTCCAGGTTCANCACTCCTGGTG
GCAGTTGCTCCCTGGCTTACCCACCACTGCTGAACTCTTTTGTCTACCTATCAGGATC
CAGCTGGANAA

Table 2

Sequence 1948

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGACCTAGCTCGGGACCGGCCTGGAGAT
GGAGTTCGACTGCGAGGGCCTGAGACGGCTGCTTGGCAAGTTTTAAAGATAGTTCTCAG
AAAGACCTGCTGAATTTTACTGGCACAATTCCTGTGATGTATCAGGGTAATACATATAAC
ATACCAATTGCTTTCTGGATTTTGGATTCTCACCCCTTCGCTCCCCCTATTTGCTTCTTG
AAGCCAACTGCAAATATGGGAATCTTAGTCGGAACATGTGGATGCTCAAGGCAGAATA
TATTTGCCCTATCTCCAAACTGGAGCCATCCTAAATCTGTCATTGTTGGATTAATTA
GAAATGATTGCCAAGTTTCAAGAGGAACCTCCCATGTATTCTCTATCATCTGATGAG
GCACGGCAGGTAGACTTGCTAGCCCTATATTGCAAAAATCACTTGAANGGGTTTCANATA
CAAAATTCAAAGAGCTTGGGCCAAATCATGAGAATTAACNGTCCA

Sequence 1949

CCCTTAGCGTGGTCGCGGCCGAGGTACTAGCANAATTCAGCTCCTGCAGTGATAGGACTG
AGGTCCCTGTTTCCTTGTTGGCTATCAACTGGGGTTTGCTCTGGGCTCCTGGATACTGCT
GCATTCCTTGCCAGGTAGTCTCTCCATCTCCAAGCCANCAACAGCACATAAACCCCTCT
CCTGCTTGAATCTCTTACCTCCTCAGCTTCTGACCTCTAAATACAGGTTTAAAGGGCTC
TGGCAAATGGGTCAAGCCCACTGACAATAAATCCCTTCTCGAAGTCAACTGTGCCATAT
ATTAACATTAATCACAGGAGTNTAANCCACCCCTANTCNCACAGGCCCNTNGGATAATG
CNATAATATTACTGGNTAANAGGGGGTNTTACCTGGGANGGNNCAATTTAAGAAATTTT
TACCCTTANCCACANATTTTACAAAGGGGAAAAAAACCAAAAAAACCTTGGGCCATT
AAATTAAGNAAATTTNTTAAATGGGGCNCCTAAATTTANGNAAAAATGCAANNCTT
GGANAATTTNTTTAANTTTTTCAAATCCCCTGGNGAAGGCAANGAATNAACCCAAA

Sequence 1950

ACCAGAGGAGGAGATGGACGATCAGAGCCATGCGCCTGTTTCTGCACCCCTGCGCACT
GGTTCATATGGCCACAAGGAGTCTTACCCAGTAAAAGAGTTTGAGGTGTATCCTGAGCTGA
TGGAAAAATACCCATGTGCCGTTCCCTTGTTGGGTTGGACCCCTTACGATGTTCTTCAATA
TCCATGACCCAGACTATGTCAAGATTCTCCTGAAAAGACAAGATCCCAAAAGTGCTGTTA
GCCACAAAATCCCTGAATCCTGGGTTGGTTCGAGGACTTGTGACCCCTGGATGGTTCTAAAT
GGAAAAAGCACCGCCAGATTGTGAAACCTGGCTTCAACATCAGCATCTGAAAATATTCA
TCACCATGATGCTAAGAGTGTTCCGGATGATGCTGAACAAATGGGGAGGAACACATTGNC
CAAACTCACGTTTGGAGCTCTTCAACATGTCTCCCTGAAGA

Sequence 1951

CTCGGGACCGGCCTGGAGATGGAGTTCGACTGCGAGGGCCTGAGACGGCTGCTTGGCAAG
TTTTTAAAGATAGTTCTCAGAAAGACCTGCTGAATTTTACTGGCACAATTCCTGTGATGT
ATCAGGGTAATACATATAACATACCAATTCGTTTCTGGATTTTGGATTCTCACCCCTTTCG
CTCCCCCTATTTGCTTCTTGAAGCCAATGCAAATATGGGAATCTTAGTCGGAACATG
TGGATGCTCAAGGCAGAATATATTTGCCCTATCTCCAAACTGGAGCCATCCTAAATCTG
TCATTGNTTGGATTAATTTAAAGAAATGATTTGCCAAGTTTTTCAAGAAGGAACTTCCC

Sequence 1952

CCCTTAGCGTGGGCGCGGCCGAGGTACGGAAACAACACGGAGCCTTTGATCACCTTGGAG
GGAAGCATATCCTTCAGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCA
NCTGGGAATGCCATCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGGTCT
CTTCGCTTGTCTTTTCTCCAAACCTGGATGACTACAACCCGGACATNCCTGAGTGGAGG
AGGGACATCGGTGAGTCATCAAAAAAATCCCTGGTGGGAAGATNCAGCTGGAGAAAAAC
AAAANGTCAACTGATGACCTGGAGCAGATTTAGAATTGCTTGATCCACAGCTCAACCC
AAAACCTCAGTACCTGCCCG

Sequence 1953

CCCTTAGCGTGGTCGCGGCCGAGGTACCTGTAAATCTCTCAGCTAAGTTAAGCTATAAAT
TTGATTAGGTTGACTTGGGCAAATGCACCATAAAGTCCTTCCAGAGAAGGAGTTCATT

Table 2

TTCATAGGTTCTACTTGAAGGAATTGTCCAAGAAGGTTTACTGTATAAAGGAAATTGAAC
ACAGAAGGAATGAAAAGTAAAAATTAAACCTAAAATTTGCAGAAGAAAACACTACAGAAA
ATTTTTGTGACCTGGGGTTTGGCAAAGATTTCTTAAATATGACACCAGAAGCACAGTCTA
TAATGAACGTATTAGTTTATTGGGTAAATCAAAATGTAAACCTCTGCTCTTCAAAAGAC
AGTTATTAAGAGAATAAAAAGAGAAACCACAAGATTGATAATCTTTGTAAGCCATGTATC
TTGATCAAGGACATTGTAGAATATATAAAGAACTTCTGAAAGCTCAATAGTAAGGAAAAC
AAATGGCTTGGGTGCCGGAGGCTNATTCTGTAAATNCCANCACCTTT

Sequence 1954

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGCTCTCCTTGAAGTCCGGAGGAGTTTCCTG
GATTTGGCACTCTCGTGCAAAGCGGTCATATGCTGCAGAGTGTCTCCTCTGCAGAAGTCT
GAGATAGTGGATGTGGTGAAGAAGCGGGTGAAGGCCATCACCTCGCCATCGGAGACGGC
GCCAACGATGTCGGGATGATCCAGACAGCCACGTGGGTGTGGGAATCAGTGGGAATGAA
GGCATGCAGGCCACCAACAACCTCGGATTACGCCATCGCACAGTTTCTACTTAGAGAAG
CTTCTGTTGGTTCA

Sequence 1955

CCCTTAGCGTGGTCGCGGCCGAGGTACTAGCAGAATTCAGCTCCTGCAGTGATAGGACTG
AGGTCCTGTTTCTTGTGGCTATCAACTGGGGTTTGTCTGGGCTCCTGGATACTGCT
GCATTCCTTGCCAGGTAGTCTCTCCATCTCCAAGCCAGCAACAGCACATAAACCCCTCT
CCTGCTTGAATCTCTTACCTCCTCAGCTTCTGACCTCTAAATACAGGTTTAAAGGGCTC
TGGCAAATGGGTCAAGCCCACTGACAATAAATCCCTTCTGGAAGTCAACTGTGCCATAT
ATTAACATAATCACAGGAGTATAAGCCACCCTAGTCACACAGTCCCATGGATTATGCAA
TATATACTGGTAGTGGGTCTACTGGAG

Sequence 1956

CCCTTTGAGCGGCCGCCGGGCAGGTACCTGGATCAAGGTGGAGTCCTGGTTGCTATGA
AACACACATCTCTCCCAATTCGACATCTTTGGTTGAGTTTGTGATGAAGGGAGATCTTGGA
GCAAATACAGTTTACATCTATTCCACTTTTTGTGGATGGGGTTCTGGGTGAGCCTGGAG
AAGAGACTCTNATCATGACAGTGTGGGACACTTCAGCCACCGCTCTGAATGGCAGCTGG
TCAAAGTAGATTACAAGTCCATTTTTGATAGACGGTGTGCCGAAGAGGACTACAGACCTT
GGCAGCTGCACAGTCAGGGGGAAGCATTGTATCATGGGGAACAAAAAGGATNTATAAAG
AAAGCCGAAAAAATCANAACCGGAAAGTGTATTGCCAAAGGAAAA

Sequence 1957

CCCTTAGCGTGGTCGCGGCCGAGGTACGGAACAACACGGAGCCTTTGATCACCTTGGAG
GGAAGCATATCCTTCAGATTTACTTCAGAAGGAATGAATACCATCACAGTGCAGGTCTCA
GCTGGGAATGCCATCCTACAAGACACAAAGACCATCGCAGTATATGAGGAATTCGGTCT
CTTCGCTTGTCTTTCTCCAAACCTGGATGACTACAACCCGGACATCCCTGAGTGGAGG
AGGGACATCGGTGAGTCATCAAAAAATCCCTGGTGGGAAGCCACAGGGGTTCCAGGTGAG
CACATCCTGGTGGCAGTGCTCCCTGGCTTACCCACCACTGCTGAACTCTTGTCTTACCC
TATCAGGATCCANCTGGAGAAAACAAAAGGTCAACTGATTGACCTGGAGCAGATATCAGA
ATTGCTGATCCACACCGCTCAACCAAACTCAGTACCT

Sequence 1958

CCCTTTGAGCGGCCGCCGGGCAGGTACAAAGAAACAGCTTCAATCCTTTTGGGGAATG
GCAGGGTTTGCAGAATATGTGTTCCAAATTTGGGGTCATAGCAAAACCCCTTTATAAAG
CAACAAGGGGGCCAGAAAATGAGTCAATGGAGTGGGCCCTAGAAATGAGGGGAACTTTG
CCAAGTTAAACAGGCTCTTAACAAAGCTCCCACTCTTGGCATCCCAAACCTCATTAAAGC
ATTTTCTTGTATATAGCAGGAAAAAAGGGCATAACTGTGGGAATACTAACCAGAAA
TTGGGATCAGAACCCATACCAACCATCTACTTTCAAAGAAATTGAACAGAGTAGCCTCA
CAGTGACCAAGCTTGCCTGCAGGCAATAGCAGCCACTGTTATTTAGTGGGAAGAAGCCAC
TAAATCACCCCTGGGTCAACCACTGAAAGTGTTAACTCCACATNAGGTAAGGTCAGTCTT
GGGAATAAAGGACATATCTGAACGATGGGGAGAA

Table 2

Sequence 1959

CCCTTTCGAGCGGCCGCCCGGGCAGGTACAAAGAAACAGCTTCAATCCTTTTGGGGAATG
GCAGGGTTTTCAGAAATATGTGTTCCAAATTTGGGGTCATAGCAAACCCCTTTATAAAG
CAACAAGGGGGCCAGAAAATGAGTCAATGGAGTGGGCCCTAGAAATGAGGGGAAACTTTG
CCAAGTTAAACAGGCTCTTAACAAAGCTNCCACTCTTGGCATCCCAAACCTTCATTAAGC
ATTTTTCCTTGTATATAGCAGGAAAAAAGGGCATAACTGTGGGAATACTAACCCANAAA
TTGNGGATCAGAACCACCAACCATCTACTTTTCAAAGAAATTGAA

Sequence 1960

CTGNACCTAGGGGAACAACCCTGNAGAGTATTTGCNGCCCGCCAGTACANGAATNNNCG
ATANGTNNGNCTATATGCGCGGCTNNNCAGAGAAATGNAATCAGNGGGGCAGAAAAAA
AACGNNANATGGGAGCTNANACTTTATATGAAAAAANNNATNGGCCNTTNAANNCTT
TTCCCCATCCCCNCCAAAGNCTGGATAGCAAAGCGANATTTTGGGGGGAGAAACGGGG
AAAACCCTAGCCACTNNGGGNNNNNGGNGCNGCNGCGNGGAGGAGAANNATANAAGGCANG
CANNCACCAAAANAAAAAANTAAAAAACCCCGGCTGCNANACAAAGGGANGCNGANG
GGCAANGGAGCCCGCACTACNGGGCNGGACCCCGGGCCCGCNCNANAAACNAGGGGGANG
CCCCGGGCTGCAGGGAANNCCAAAAANCAAGCCNAACGAAACCGGGCCGACCCCGANGGGGG
GCCCCGGACCCAANCTTNGGCCCAAAAAGGGANGGNCNAAANGCNCNCTNNGCCGGA
CAAGGGCAAAGCANGGANNCCGGGNGAAAAAGGNAACCNCCNCCAAANCCCNACAAAA
CCAANCCGGGAAACAAAAAAGGGGGAAACCCCGGGG

Sequence 1961

GAAAACCCCTTTGTCNNATACCGGNGNAAAAANAGNCCCCCGCCCGGCCAGGTACCACC
AGNNTTGGCCANCAAAACNCAGANTTCTGGCAGCATNTTAAAGAGGCCTNCCTGCAGG
AGGCCAGGGCATGAAGAAGCTGAGGCATGAGAAGCNGGTGCAGNNGNATGCTGGGANCA
GAGGAGCCANTTACATCGCACGGAGNACCT

Sequence 1962

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCNTNCTGATGTGCATNGNATT
ATGANGCTTCCAACGCANANTGCTTTNNNNCNANNNCNCTGNAGNCCTATGCNGATTA
CNAAACACNNCNTGNNTGNAAGTNCATNTAATNCNNANACNGNCCNANCCANNNACNTC
ATGGCNGAAAAANCNNACATATNTGCTAGNNGCNCNNATNNANNNATTNAGGGNNTACTT
GNACTNTAATGAANCNTNAAGCAGAGNTAGTGTTTTCCACTTCAAATCAATCATATTTT
TGTCATCTCCAACCTAANATATTTNTTAGATTGNCTCCCTATTCTTTGATTCAAANCCA
ATTACANAACTATGAACCTTGACCTAAATCTGNTTTTGACCANTTTTNAACATNAANT
AANANAANTTCCAAGCCANTTCTTTTCTTTGCACACTNACCATTTTTTAATTACATCAT
CCTCTATNATNATAGTACTTTCACAACCTACNACTTCTCCTNTATATCAAAAATCATTCTN
ANTTTCCNAATTAATNNACCAANANNAATTTNCCTTCANNNTCTANAAANCANTTTAC
TTTTCAACTCCTT

Sequence 1963

CCGCGGTGGCGGCCGAGGTACTTCTTACCCGTTTGATTATGATGAACCTTTATGGGAGCA
GAATGCTCTGGACATGCCTTGGAAGTTCTATTATCTTCTAAAGTTGATTTGAATCTACC
ATATCCACTAACGCAACACTCAGATTCACACGTAATGCATACACAATGAAGAAACCAAAA
AAGGCCAAAATTGCTAAGTTGTAACGAGCAGAGCAGCAGCACTGGAGCGGCTTCGGCCCGT
GGGGCGCCCGGTAGAAGAGGCGTGCGGTCCGTGCTCTCCTCGCCATCGTTCCGGGCCAGG
TCTCGAACCGGAGACCTCATGACGCCTACGTGAGCAGGTGTACCTGCCG

Sequence 1964

GACTACTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCGAGGTACAAGTCCTGGGCA
CCTCCTCTTTGCCTCCCTCCTGCCCTTTCTGCTGGTGGGGGCAGATCCTGTACACACA
GACACAGCGTCTGCCCCCGAGCCATTCCCTGGAGACCCTGGGTCTACCCAGGTGGTCTGT
CATCTGGGCCATTTGCCCTACTTCTCTGGAGCATACCCACCCTCAGTTACGTGCCAGACC
TGGACCGCATTCTCCTGCCCTGTCTGGAGCTGGCCCTGCTGCCTGGAGGACCCTGGGT

Table 2

AGGTCCTGAGGGTGGGATGGAGAAGAGGGCACTGCTGTGGTGTGGGAGCAGTCCTGGGGC
TTCCTGGTGGCTGTGACCAAGTTGAGGGGCTGTTCTGGGTGGGGTGGCAATGGGAGGAC
AGGTCANAGCGCCCTCATTGTGGGGCTGCCCCCTCCGGGTTTCTCATCCTGTCTTGGTG
CCTTTTTCTGCCCAACAAGTCCAGGGAAGGCCGAGGTCTCAGACTCCTGGGTAG

Sequence 1965

CCGCGGTGGCGGCCGAGGTACTTGGGACAGTTACAGGCATGCTGCTATTGCCATGATCTT
CGGGAAGCTGAAGTGATGAGCAGCAGTGTGTGATTCTGAGGACACAGAGGGCTGGGGTCT
AGGAGCTATCTCAGGTGGGCTCAGTCAGTGCCATCCTCCCTTTTGGTGCCTCCCTAGAAG
TGCTGAGAAGATGCAAAACCAAAAGCTTTTACTCCAACATTGCTTAGCCAAGCTAAGCAC
ATGCATTCCCTATGATTAGCAATTCTGCTCCTAGCATGTATCCCAGAGAATTGTCCCAT
GGGTCCATAGGGGCGATATAAGAATGGCCATTGCAGCAAAGTTCTGGTTGGGGTAGGGGGA
GCTGAAAGTCATCTGGTGTCCACAACCTGGAGGAATGGATGGATAAAATGGGATGGATACA
CAAGTANGCACACAGATGGGTGAAAGGATGGTCAANCCCTTACATGGACCAGNTTCCTTAT
TCTTAAGCTAAGGATTAGCAATCTTCCAGGCCNAAAAAAAAAAC

Sequence 1966

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTATTGTAGTAGCTATCAGAGTGCAGTTTACC
AAACAGTAATTTATCCTACACATAAACTGCAGACCTAAACAATAATACATATACATAGTT
ATTCTTTGCACCATTTGTTTGCAAACAACCTAAATACCAGTCACCTCTATGGCATTCCCTCC
TCCAAAATTTGTATTCCCTCATCTAAATCATGAGAAAAGACAAAACCAAACTGAAAAAGG
ACTTCTACAAAATACATCACCAGCCGTCTTCAAAGCATCAAGGTCATGAAAAACAAGGC
AGAAAACTCCAGAGTGGAGGAGACCAAGGAGGAGTAGGTTCTTGGAGAAGACCAAGGC
CATTTGGGGCAATCTAAAGTCTGGAGTTCACCTAACAGTATCAACCCAATGTTAATTTCT
TAGTTTGATGAATGCATCGTGATTATATAACATTAGAGGAAGCTGGATGAAAGGTCTCAA
CCTCAGCACCCTGGAC

Sequence 1967

AGGTACTTGCCTGGGAGAAGGCAGCGGACGCATCACTTGCATTCTAGAAATAGATGCAA
CGATCAGGACACAAGGACATCCTATAGAATTGGAGACACCTGGAGCANGAAGGATAATCG
AGGAAACCTGCTCCAGTGATCTGCACAGGCAACGGCCGCTNNTANAACTAANTNGGAT
TCCCCCGGGGCTTGACAGGGAAATTCNATTATTANAGCCTTATCCGATTACCCGTTTCA
AACCTTNGGAGGGGGGGNGGGCCCCCGGNTAACNCNCAAGACTTTTTTTGTTNCCCCT
TTTTAANTTGAAGNGGNTTTAAATTTTGGCCGGCGGCTTTTGGGGCCGGTTAAATTT
CCANTTGGGGTTCCATTAAAGGNCTTGGTTTTTCCCCTGGGTGGTTGGAAAAANAATTT
GGTTTTAATTTCCCNCGCCTTNCACCAAAATTTNCCCCACCNAACCAAAANCTATTTAA
CCNNAAGGCCCCGGNGGGGAAGGCCCATTTANATAAGNTTGGNTTAAAAAAGGGCCNCTT
TGGGGGGGGTTNGCCCCNTTAAATATGGNAAGGNTTGGAAAGGCCTTTAAACCTTTCCA
AC

Sequence 1968

AGGTACGTCTGTTCAGTTTTCTTTGTTTTGAGCAAAGTANTCAGCCCGGGCAGTGCTAG
CTCGCATTCAGGATGTAGTTAACCTANAAACAAGAGGGCACAGCCCGGTACCTTGCC
AGCCGCTCCCTACCCACCCAGGGCATCNGAGGGGGTGGCAGGGAAGGCCCTGACCTGGGC
CGGGTGCCTCAGGGCCAGGTGCTGTCTNTGTGGAAGGAGTCCAGTCATCACAGCAACCTGG
CAGCGGCTGGGCCCAGAGCCGCTGCTCTACNATGGGAAAACAGAGGCTTGGAGAANCCAA
GTGGCCAGTCCAGGCTTCCCAGTCAGTGAGCGGNGAGCTCTTCAGGTTCCGG

Sequence 1969

AGGTACTGCTGCCATTTTTATTGGTGTGTTGATTATTGGAATGGTGCCATATTGTCACTCC
TTCTACTTGCTTTAAAAAGCAGAGTTAGATTTTTGCACATTAAAAAATTCAGTATTAATT
AAACATTACTTATTCTACCCCTTTTTTGGCAAGGAGGACAAATACGCAATGTTGGAAAA
CCTTGGATGGATATCTTCTTTAAAAAATGTAAAGATAATTTGGTCTTGAGGGTTTAA
ACGGTTGATAATGCCTCTACAACAACAAGAAAAAGATAAAATACTAGGATAGAATCATG

Table 2

GTGGGCACAGTGGCTTCTCAGGAGGCTGAGGAGGGGAGGGTTTGCTTGAGTCCAGGAGTT
GGAGACCAGCCA

Sequence 1970

AGGTACGTCTGTTTCAGTTTTCTTTGTTTTGAGCAAAGTAGTCAGCCCGGGCAGTGCTAG
CTCGCGATTCCAGGATGTAGTTAACCTAGAAAACAAGAGGGGCACAGCCCGGTACCTTGCC
AGCCGCTCCCTACCCACCCAGGGCATCGGAGGGGGTGGCAGGGAAGGCCCTGACCTGGGC
CGGGTGCCCTCAGGGCCAGGTGCTGTCGTGTGGAAGGAGTCCAGTCATCACAGCAACCTGG
CAGCGGCTGGGCCCAGAGCCGCTGCTCTACGATGGGAAAACAGAGGCTTGAGAAGCCAA
GTGGCCAGTCCAGGCTTCCCAGTCAGTGAGCGGCGAGCTCTCAGGTTCCGGAGCCCCATG
CTCCCTCCTGGCGT

Sequence 1971

GTAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTACCC
CAAATAACTTTCTTATTGCTCTGAAAGAAGAAAAGCAATGTAAATCACTATGATTATTGC
ACAAACAACCAGAAATCTCCAACAATTTAAGTAATCTGATCCTCTTCTTGAGAAAAATT
GTTACCTAATAGTTTTCTTATGAATGTTATTACTACTGGTATAAATCAAATTTCTATA
AATTTCTACTTAAGTCTTAAGAACTGGGTTCTTCTTTGATGTTATTCATGTTTCAGAAA
GGAAACAACACTTTACTCTTTTAGGACAATTCCTAGAATCTATAGTAGTATCAGGATATA
TTTTGCTTTAAAATATATTTTGGTTATTTTGAATACAGACATTGGCTCCAAATTTTCATC
TTTGACAAATAGTATGACTTTTCACTAGAACTTCTCAACATTTGGGAACTTTGCAAATAT
GAGCATCATATGTGTTAAGGCTGTATCATTTAATGCTATGAGATACATTGTTTTCTCCCT
ATGCCAAACAGGTGAACCAACGTAGGTTGTTTTTACTGATACTAAATGTTGGCTCCCG
NGATTTTATAGTATGCACATGTCANAAAAAGGCAAGACAAATGGGCCTCTTGNACCTCG
GCCGCTCTTAGAACTAGGTGGGAATCCCCCGGCTNGCAGGAAATTCGNATATCAA
GNCTTTATCGAATACCCGNCCGANCCTCGAAGGGGGGGGGCCCCGGGTANCCCAACCTTT
TGG

Sequence 1972

AGGTACAAGTCCTGGGCACCTCCTCTTTGCCTCCCTCCTGCCCTTTCTCTGCTGGTGGGG
GCAGATCCTGCACACACAGACACAGCGTCTGCCCCGAGCCATTCCCTGGAGACCCTGGG
TCTACCCAGGTGGTCGTCATCTGGGCCATTTGCCTTACTTCTCTGGAGCATACCCACCC
TCAGTTACGTGCCAGACCTGGACCGCATTCCTGCCCTGTCTGGAGCTGGCCCTGGC
TGCCTGGAGGACCCTGGGTAGGTCTGAGGGTGGGATGGAGAAGAGGGCACTGCTGTGGT
GTGGGAGCAATCCTGGGGCTTCTGCTGGTGGCTGTGACCAAGTTGAGGGGCTTGTTCTGGGT
GGGGTGGCAATGGGAGGACAGGTCAAGAACGCCCTNATTTGNGGGGCTNCCCNCCCCGG
TTTTCTCATNCTGTCCTTGNGCCTTTTTC

Sequence 1973

AGGTACGTCTGTTTCAGTTTTCTTTGTTTTGAGCAAAGTAGTCAGCCCGGGCAGTGCTAG
CTCGCGATTCCAGGATGTAGTTAACCTAGAAAACAAGAGGGGCACAGCCCGGTACCTTGCC
AGCCGCTCCCTACCCACCCAGGGCATCGGAGGGGGTGGCAGGGAAGGCCCTGACCTGGGC
CGGGTGCCCTCAGGGCCAGGTGCTGTCGTGTGGAAGGAGTCCAGTCATCACAAGCAACCTG
GCAGCGGCTGGGCCCAGAGCCGCTGCTCTACGATGGGAAAACAGAGGCTTGAGAAGCCA
AGTGGCCAGTCCAGGCTTCCCAAGTCAGTGAGCGGCGAGCTCTCAGGTTCCGGAGTCCA
TGCTCCCTCCTGGCGTGAGCCACTCCCGGAAGGCTGTGCCCTGGGCTGCCTGGCTATGCC
TCCACCTGTGTGTGACACCTGCCCGGGGCGGCCCGCTCTTAGAACTAAGTGGGATCCC
CCGGGCTTGNANGGAATTCGATATTCAAGCTTTATCNGATACCGTCGGACCTCNAAGGGG
GGG

Sequence 1974

CCGGGCAGGTGTACACAGCAGGTGGGAGGCATAGCCAGGCAGCCCAGGGCACAGCCTTC
CGGGAGTGGCTCACGCCAGGAGGGAGCATGGGCTCCGGAACCTGAAGAGCTCGCCGCTCA
CTGACTGGGAAGCCTGGACTGGCCACTTGGCTTCTCCAAGCCTCTGTTTTCCCATCGTAG

Table 2

AGCAGCGGCTCTGGGCCCAGCCGCTGCCAGGTTGCTGTGATGACTGGACTCCTTCCACAC
GACAGCACCTGGCCCTGAGGCACCCGGCCAGGTCAGGGCCTTCCCTGCCACCCCTCCG
ATGCCCTGGGTGGGTAGGGAGCGGCTGGCAAGGTGACCGGGCTGTGCCCTCTTGTCTA
GGNTAACTACATCCTGGAATCGCGAGCTAGCACTGCCCGGGCTGACTACTTTGCTTCAAA
AACAAAGAAAAGTGAACAGACGTACCTCGGCCGCTCTAGAACTA

Sequence 1975

CCGGGCAGGTACAGGTCTGGAGAGGAGATGGCTTCTGAGGCCCATACAAGGTGTGGCCT
GTGGCTGTGCTGAACCTTATGCCTCTACCTAGGCATGAACAAAGGCGGGTTCTGGCTG
GGGTCATCGGAGCCCGGAAACCACTACGACATCTGGGGCAATACAGTCAATGTAGCCA
GCAGGATGGAGTCCACGGGGGTCTGGGCAACATTCAGGTATGTCCAGTGGCACAGCTGG
CACGTGCTCAGACTCGGCATGAGAACAAACCGGAACAGTGCTTTCCACGTGCCCCGTC
CTCCACCCCTGGCCCTGAACAGTAAGTCCAGAGGCATAGACGTGGGGCAAGTGGAAGA
ATCTCTGCAATAGCTAGCCTCAGCACAGGAAGAAACACTTCCACCCATNCACAAAATCTG
GGCTGAAGTTCTAGATGCATATGGCCTACCTTTGGGTATGAACCT

Sequence 1976

AGGTACTGCTGCCATTTTTATTGGTGTGTTGATTATTGGAATGGTGCCATATTGTCACTCC
TTCTACTTGCTTTAAAAAGCAGAGTTAGATTTTTGCACATTAAAAAATTCAGTATTAATT
AAACATTACTTATCTACCTCTTTTTTGGCAAGGAGGACAAATACGCAATGTTGGAAAA
CCTTGGATGGATATCTTCTCTTTAAAAAATGTAAAGATAATTTGGTCTTGAGGGTTTAA
ACGGTTGATAATGCCTCTACAACAACAAGAAAAAAGATAAAATACTAGGATAGAATCATG
GTGGGCACAGTGGCTTCTCAGGAGGCTGAGGAGGGAGGTTTGCTTGAGTCCAGGAGTTGG
AGACCAGCCCAGGCAACATAGCGTAAACCCCTATCTCTAAAAAATTTTTAGCCAGGTGCG
GTGGCTCACGCCTGTAATCCAGCACTCTGGGAGGCCGAGGCGGGTGGATCATGAGGTCA
GGAGATCGAAGACCATCTGCCTAACAAGGTGAAAACCCCGTCTCTACTTAAAAATACA
AAAAAATTANCCCGGGCCGCGGNTGGCCGGGCCCCCTTGGTAGTCCCCAGCCTACTCC
GGGANGCTTGAANGGCCAGGANGAATNGGCNTGGAACCCCCCGGAAGTTNGAGCCTTGC
NAGTGGAAGCCCGANAATTGCNCCCCCTTGACAGTNCGGCAGGTCCGGGCTTTGGGCCGANA
AAACCNAGACTTCTTNTNCAAAAAAAAAAAAAAAAAAAAAA

Sequence 1977

TATAGGGCGAATGGACTCCACCGCGGTGGCGGCCGAGGTACATGACCTGGACAAATTACC
TCCACGGGAAGGCTTCTAGAGAGCTTCAAAAAAGGCTGGAATAATGCTGAAATGACGCG
TCAGCTGCGAGAGCGTGAACAACGCATGCGGAATCAGTTGGAGCTAGCAGCCAGGGTCC
TTTACGACAGACCTTTACCCACAAAACCTTTTTCTAACAACCTTGNAAAAAGGGGA
TAAACCCNCTTCCCAAATTATCCCTTAGCCAAGNCATGCTAGNCAAAAACCCCAAAAGGT
NCAANAGTTATTTCCCTTGGGCCACCGAACAACAACCTTTGGGNCNTGGACCTNTATNGTT
TACTGNTGCCGCCAATTTCTNGGCCAGGGAAATNTCCTNGTNCCTTTTTCAGAAGNACTT
CAATCCCTTCAAAAAACAAGGACCTTTGACACCTGGTGTTCCTTGGCCCCCAAGTTCCT
TAGGGGAACTGGTGGGCCACACCAGGNAGGATGTTTNCATTTTTTAAAAAAACCGGG
ATTTTCATTGGAAAAACAACCTCTNTG

Sequence 1978

AGGTCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGA
TACACCCAAGTGGGAGATGAGGAAACAGCAACCCAGAGAGGAGAACTAACCACACAGGA
TCATTTGCGGAAGGANCAAGGCTGAAGAACCAGACCTGGACTTCTTAGGACAAACTTAC
TGCANCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTC
TACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTATAGAGCCCTGGGAGCGATCTATG
TTTAACACCATCTTACTAACCATTATTGCTATGGNGGTATACACTGCCTATGTCTTTATT
CCAATCCACATTGCGCTGGCTTGGGAATTTTCTCAAAAATATGTGGATATCACANTACC
T

Sequence 1979

Table 2

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGNGTACATTTTTAACTTCTGATGAT
TACCCTATAAAGAACTATTATTCTTAATTTTACTAATGAGAAAACAGGCTTTGAAAG
ATTAAGGAGCTTGCCCATGGTCACAGAGCTGGGTAAATTGTGGAATCAAGATTTAAATCC
AGATCTATCTGCTCATGGTTTATCTATTCATCAGTTTGGTAGAACTAAAATATTTGAAAA
ACCACTAGTCATTTTTTTNAGTATTAATNGCTTACAGAGTTAATTTATCTTTGAAAGGGA
AAACACATAGCCATTCTACTCTAGTGGATGGAAATAGAGTGTTCTTAATTT
Sequence 1980

AGGTACAACACTGTCTCTGAAGGAACCTACTTTCTAGAGACAATAGAGACTCCAAGACCT
GGAAAACCTCTTCCCCAAAGATGTAAGCAGCTCCACTCCACCCAGTGTCACATCAAAGAGC
CGGGTGAGCCCGGCTGGCCTNGTTANGGAAAAACCAAATTGAATNCTGTGAGTTGAGCTC
CCGAAAAAGGCCCTTTTATGGTANTTCCAGNAAACCACAANATGNAAAAATACCTCCAGGN
AGNTGGTTATCAAATGCCATCCAAAAGTCNTACTTGNACAATCCTTCATGNGNCATNGGG
GCATNCCCANGGGTTTTNCGNNTGGAAATGGCCAACCATGAAGNTTCAAACCTATTCTT
CCTNGTTCCCAGGCCCATTCATTCCAAACCCCAAAANTTTGNANTGNCTTANGAATTCT
TTTGTCCNTGGAATTTTCATTAAACAAAAGGTNGAAAAAAGGAAAAGGGGCTTGAAAA
AAATTCCTTCCCAAAAAGNAACCCCTTAATTTCCANTTTTAACCAAAAATTAAGGCC
CCTTGGGGGGNTTG

Sequence 1981

CGCGGTGGCGGCCGAGGTACTTAGAATTATTAATGAGCCAACCTGCTGCCTATTGTTTACG
GCTTANACAAAAAGGTTGGAGCAGAAAGAAACGTGCTCATCTTTGACCTGGGAGGTGGCA
CTTTTGATGTGTAATCCTCACTATTGGAGGGATGGGAAATNCTTTTGAANGTCCAAGTT
CTTNNNAGGNCCTTGGGTAGAACACCCNCACCTTTGTGGGTGGNAGAAATGAATNTTTT
GTANCANACCCCCGGAATTNGGGTTCCAAAACCAATTTTTT

Sequence 1982

AGGTACTATGTGACTATCATTGATGCCCCAGGACACAGAGACTTTATCAAAAACATGATT
ACAGGGACATCTCAGGCTGACTGTGCTGTCTGATTGTTGCTGCTGGTGTTGGTGAATTT
GAAGCTGGTATCTCCAAGAAATTGGGCAAGNACCTNNGAGNAGGCATTGCCCCCTTCTTG
GCTTACCACACNTGGGGGTGTTGAAANACCAACCTAAATTTGNTCGGGTGTTAAACCAAN
AAATGGNATTTCCACTTGGAAGGCTCAACCNCCTTACCAGNCCCTNGTAAAGTAAGGAT
TAATTGTAGTGAAANAATTTGGGTTTAAAGNNGGGAAAGGTTTCANGTNCAACCTTTT
NACCANTTTTTATAAGGAAAAAATTTTGGGNCCTTAACCAAAACCCCNCGGGAA
CCAACCAAGGTTAATGGCCCAATTTTTTGGTTNTCCCCAAAATTTTTCCNTGGGGGT
TNTGGGGNAAAAATTGGGGTTGGGAACCNANAACCAATTTGGGCCTTTGGNGNNAAGGCC
CCAAAAGGNNGGCCTTNNAACCAAAATTGGCCCCNTTTGGGGGTTTNTCCAAAA

Sequence 1983

CGAGGTACAGAAGCATATTCCCAATCTGATGAGCAATATGCTTGCCATCTTGGTTGCCAG
AATCAGCTGCCATTGCTGAACTGAGACAAGAACAACCTTATGTCCTGATGCCAAAAATG
CACCTACTCTTTCCTCTAACTCTTGGGTGAGGGTNAATTTCTGGGAGTTGGACCATGNAT
NGGAACCTCCCGCCACCAGGAGCTTTCATTANACCTTCTTCATGGGACCTTTTTTTATTC
TTTCATAGGCCCGNAATGNACCGGGGAAAAAATAAGGTTTATTATTTCCANGTCCT
AAAGNCCCCAGTAANATTCNCAAGGTNACCCNTTNNGGGCCCCGGCCTTCCCTTAAGNAAA
ACTTAAGGTTGGNGGATTTCCCCCCCCGGGGGGGCCTTGNNCAATNGGNAAAATTTTNC
NGAATTAATTCAAAAATGGNCCTTTAATTTCCGGAATTTAACCCCGGGTNCNGGAAACC
CCTTTNTTAAGGGGGGGGNGGGGGGGCCCCCCCCGGGNTTACCCCCCAAGGNCNTTTTT
TTTTGGGTTTTCCCCCTTTTTTAAGGTTGGAANGGGGGTTTTNAAATTTGGGCGNGC

Sequence 1984

AGGTACCGAGCAGGATTACCATGGCAACAACATCATCAGTAGGGTAAACTAACCTGT
CTCACGACGGTCTAAACCCAGCTCACGTTCCCTATTAGTGGGTGAACAATCCAACGCTTG
GTGAATCTGCTTACCAATGAATAGGGAAANGAGCCCNACATCGGAANGGNTCAANA

Table 2

AGCAGACCGTTCGCTTATTGAACCGNNTTGGCTCGCCCCACTAAGACCAGTTTAATCCCC
 TNNTGGGTTANACNTTTTTCTTGACCACNCTNCCTGGCTTTAATAACCCCCANAANAAG
 GGTTCAAGAAANNNGNATNCCNTTGAAGGGGCCCCCGTCTTTTACCAGGGGTNCTTGGT
 TANTTCNGTTTACCCCTTNNGGGNCCGGCNTTNCCTAAGNAAACCTAANGTTTGGGGAATT
 CCCCCCCCCCTGGGGGCCCTTGGNCAAAGAGGAAAAATTTTCCGGAATTAATTNCNAAAAG
 TCCNTTTTNAATTCGGGAAATTCACCCCCGGNTTCCCNATAACCCCTTTTGNAAAGGGGGG
 GGG

Sequence 1985

AGGTACACCCAGTGGCTCATATTTAACTTCCCCAGCTTCCCAATTCAAACTGGGGGGAA
 AAAAATAAATCATTGGGAGTTACTTGCCAACCTGGAAGTGATATTTCTTACTTTGTT
 CCATTTCTAAGACTTTAAGTTCCCTCTGGNCATGGAGNTTATCTGCAAATTCANTAANAC
 CTAATNCANTTTTGCTCTAATACCCCCACCNCACCAATTCCCANACCCGTTTAAACAAN
 GGCTCACTTGCTCAACCTATAATATGGCCCCAAATNNTTTTGGCCCTCTTCCCNCTTTT
 TTANATAAAAAAACCTTTTTTTNATATGGAAAAGTTTTCAACNANTTTTATTTTGNNGTA
 NAAANACATTTTAAANCCTTNTCNAATACCNATTTTTTNGGGGCCTCCTTAACCTTTCCA
 AAAGNCCTTCNTTTTTNCTTGGGAAAANGNTNTTCTTCCCCTNNGGAANNAATTGGNAA
 CCNTNNNANAAATTAATTNGNGANAACCCCAATAAAAAANGNCCTTGGGCNAANCCTNNGN
 NTGGNCCTATGNTTNNCCNCNTTGGCCCCCGGGGGGGCCCCG

Sequence 1986

GGAGCTCCCCGCGGTGGCGGCCGAGGTCCGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCT
 CACCTAAGCCGCAGGGAGATACACCCAACTGGGAGATGAGGAAACAGCAACCCAGAGAGG
 AGAACTAACCACACAGGATCATTTGCGGAAGGAGCAAGGCTGAAGAACCANACCTGGAC
 TTTCTTAGGACAAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAA
 GGAATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGA
 GCCCTGGGAGCGATCTATGTTTAACACCATCTTACTAACCATTA

Sequence 1987

AGGTCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGA
 TACACCCAACTGGGAGATGAGGAAACAGCAACCCAGAGAGGAGAACTAACCCACACAGGA
 TCATTTGCGGAAGGAGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTAC
 TGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTC
 TACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATG
 TTTAACACCATCTTACTAACCATTATTGCTATGGTGGTATACACTGCCTATGCTTTATT
 CCAAT

Sequence 1988

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCTGTTCTA
 TAGTGATCATCATTGCTAACAGCTAAAAAACTTCCATTTAGGCAACCAGAGGAAGAAAAC
 GTTCCATCTATCTCATTGGCTATCTCCACAGGAAACCTTCCAGAAGGATAGCTCAGCCAT
 TTCTGAATTAGAGCTTCATTCAGTGTCCAGATCTGCTTTGTCGGATTGGGACATCTGAAG
 TCATCTGGTGGCCACAGTTCTGGGGACTAGAGTAATGTGAAAAGCTTTGATCTCCCCCT
 GAGAAAATCTTTTACACAGAAATATTCTTCAGAATCAATATCTGGTAGACACTGCCCA
 TTATAGGGGTACCT

Sequence 1989

CTATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCGCAGCAGCTG
 GGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGATACACCCAACTGGGAGA
 TGAGGAAACAGCAACCCAGAGAGGAGAACTAACCACACAGGATCATTTGCGGAAGGAGC
 AAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAAACTTACTGCAGCTTGAAGGAGCC
 AACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCAAAT
 CATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGTTTAACACCATCTTACT
 AACCATTATTGCTATGGTGGTATACACTGCCTATGCTTTATTCCAATCCACATTGCGCT

Table 2

GGCTTGGGAATTTTCTC

Sequence 1990

GTGGCGGCNCGAAGNTACCCCCAATCTGAAGTCAGTAAATGAACTAATCTACANGCGTGG
TTATGGCAAAATCAATAAGAAGCGAATTGCTTTGACAGATAACGCTTTGATTGCTCGATC
TCTTGGTAAATACCGGCATCATCTGCATGGAGGATTTGATTCATGAGATCTATACTGTTG
GAAAAAACCGCTTCAAAAGAGGGCAAAATAACTTCCTGTGGGGCCCCCTCAAAAATTNGT
CTTCTTCCACCGNAGGGTNGGGAATGNAAAGGAAAAAAGGACCCACCCCATTTT
TTTGGTAATAAAGGTGGGAAGAATGGCCTGGGCCAAACCANGGGGAGGGGACCCAAGG
AATCCAAACCAGGGGCTTTATTTTANGGAAAGGAAATTGAAACCCTAAAGGGGTGGTT
CCTTAACCCAATTGGAATTAATTTTTTTTTTNCCTTAAAGGCCCTTGGGGTTTNGGGTTT
TAAAAATAAAAAACCAAGNTTACCCCTTCCGGGGCCCCCGCCTTTCTTAAGNAAACCTTA
AGGTTGGGGGAATTCCCCCCCCCGGGGGCCCTGGGCNAGGGGAAAAATT

Sequence 1991

AGCTCCCCGCGGTGGCGGGCCGAGGTGCANCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTC
ACCTAAGCCGCANGGAGATACACCCAAGTGGGAGATGAGGAAACAGCANCCAGAGAGGA
GAACTAACCACACAGGATCATTTGCGGAAGGAGCAAGGCTTGAAGAACAGACCTGGAC
TTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTGAGGCNGTGTGA
AGGAATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAG
AGCCCTGGGAGCGATCTATGTTTAAACCATCTTACTAACCATTATTGCTATGGTGGTAT
ACACTGCCTATGTCTTTATTCCAATCCACATTCGCCTGGCTTGGGAATT

Sequence 1992

AGGTACACATAAGTGTGTGTGTCTCAGGAAGTAGGAAATAAAATGGAAGCTATTATGAC
CTCAAAAAAAAAAGCCAACTTTGAGCTAGGATAAAAAATTGGGTAAAGGACATTTGCTTAC
CTGCAATGAATCAACTTGTGGAATTTGTGANTCTTCCCATATCATTCAAGAAAATTGT
CTTCTGGNATGAAATTAAGTGGGCAGAAAATAATAATGNAGCAACTCTTGGCAGGTGNAG
CCTAANATTNGATCCCNAAATTAGAGGTTTTTCTGGCTTTAAGCANGACCAGGANAGG
GTATTAAATCTTTTTTTGGACAACCCCTTTTTCCCCACCCTNGGATGGCCCNTAATGCTT
AGGGCCTTGGNCCCTGGAGGAAACATTCNCTCAGGTTAAACCTTTGAATATTTNCACCA
TTGGACCTTACCCAGGGGAATGGTNCCCCCATTTCTTGCCAGGGGGGCGNTGGAAGTTTC
CANGNTTTTGGGGGGGAAAACCACCCC

Sequence 1993

CCGGNCAGGTAAGTACTGAGCAGGATTACCATGGCAACAACACATCATCAGTAGGGTAAAACTA
ACCTGTCTCACGACGGTCTAAACCCAGCTCACGTTCCCTATTAGTGGGTGAACAATCCAA
CGCTTGGNGAAANTNCTGCTTTCACAANTGGATAGGGAAAGAAGCNCGACCATTNAAAN
GGATNANAAAAAGNCGNACCGTCTNNTTATTGGNACGACTTTNGNCNCGCCCAACAAGGC
ACAGGTTTATTCCCTGGTGGTTAACTTTTTTCTTGANCACACTACNCTGGNNTTNAACA
ACCCCCAAGANAGGGTCAAGAAAANGNATCCGTTGGAGGGGNCCCCCCTTTTCCAACGG
GGACCTTGGTATTTTCGTAACACTNCGAGCTCGCTTTCTAAANAACCTTAGNTGGGNATAC
CCCCCGGGGNCTTGCNAGGGGGGAAATNTCCGCATNATCAAAAGCCCTTAATCCGGAATT
ACCCNTTCGGACCTTCNGANGGGGG

Sequence 1994

CCGCGGTGGCGGCCCGAGGTAAGTGTGATATCCACATATTTTTGAGAAAAATCCCAAGCC
AGGCGAATGTGGATTGGAATAAAGACATAGGCAGTGTATACCACCATAGCAATAATGGTT
AGTAAGATGGTGTTAAACATAGATCGCTCCAGGGCTCTAAACAGCACAGCAGCTAATG
ATTTGGTATTGATAGTAGAGCCAGGAGAAATATTCCTTACACAGCCTCAAATCCATGGTT
GGCTCCTTCAAGCTGCAGTAAGTTTGTCTTAAGAAAGTCCAGATCTGGTTCTTCAGCCTT
GCTCCTTCGCGAAATGATCCTGTGTGGGTAGTTCTCCTCTCTGGGTTGCTGTTTCCTCA
TCTCCAGTTGGGTGTATCTCCCTGCGGCTTAGGTGAGCGCCGAGGCTTTGGCTCCTCCC
CAGCTGCTGCGAGACCTCGGCCGCTCTAAGAATA

Table 2

Sequence 1995

AGGTACCCCTCCAGTGCAACCTCCACGATAGCACCCCTCATTGGGCTTAGCATAGCCTTCA
CCGCGAGTCTGTATTCTGCGAATGATTCGCCCATCTTCCTCTCCGTCAGATCTTCTCCC
TTAAACTTCAAAACAANCTNCANCTTAAAAATACAAAGCCGNTGNGCCATATGGGGGNG
GAAATCTTTGNAAGGGACCTGCCTGCTGTAACCCGATAGGCAATATTNATGGATTTTGA
GGGTTGATGTTGGGCAACACCCCTNTCCCCACCTTCAATGGGNTGGGCTAATGGGCAAAT
TGTTCCCCAAAAGCCCTTTGTATTGAACCTCCCCCCTTATTCCCCAAAGGGGTTCCA
AAAAGGGNAN

Sequence 1996

CCGCGGTGGCGGCCGAGGTACAGTATTTAATGTAGATTTACCATGCCGTGTGAAGTCTTC
CCAATTGGGAATTATCAGCAATAAACAGACGCATACCAGCGCCATAGTGAAGCCACAGTC
TAGCTCCTGTTCTATATCTGCCAGCACTGCCTTCGTCACCTTGGAGACATTGCTCGAT
ACAGAAACCAGACCAGCCAGGCAGAGTCTACTATAGGTATGCAGCTCAGCTTGCCCCCT
CCAATGAAGCATTGCTGTGAAGTTCCTTTCCAGCTGCCTCCACTAATCTGCAAAAAGC
ACTTTCTAAAGCACTGGAAAGCCCGAGATGAGGTGGAACCAAGTGGGGGTGTTTCTGA
CTTTCATTCAAGGCCCTTTTATTA

Sequence 1997

GGTAGGGAGAAGAAAAGCANCAAAGTGAGAGAAGATAATANAGAAACATTCACCACGACT
ATCTCCAGCTCANGGGAAGTGTGTTGGCCTGAAGTTTTTTGTAAAGGCTCATGTTTCATC
AAACTCCCAATTCCAGNTGCANTNGTATGTGGGTGGGGNTGAGGGAGCACGGAGGAAGGA
CTGGGGGGTGACGAACAAAGAATNCTGCCTTACCTTCANAGGACAGCTGCTCATATTCAT
CTNACACCATGTGGCCACAAAGCGGAAACTCATCCACTTTTTGCCTTTTTCCGCCCCCNG
GTCAAAAATGCGNAATCTTTGGCATCTAA

Sequence 1998

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCTCGCAGCAGCTGGGGAGGAGCCA
AAGCCTCGGCGCTCACCTAAGCCGCAGGGAGATACACCCAAGTGGGAGATGAGGAAACAG
CAACCCANAGAGGAGAACTAACCCACACAGGATCATTTCCGNGAAGGAGCAAGGCTGAAG
AAACCAGACCTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGA
TTTGAGGCGTGTGAAGGAATAGTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTG
CTGTGCTGTTNTANAGCCCTGGGAGCCGATCTATGTTTAACACCATCTTACTAACCATT

Sequence 1999

AGGTACAGATGCAAAACAAAAGTGTTACTTCTGACTGGTATATCTGCACAGCAAAATCG
TGTGGTGGGAGCTATGCAGCTATATNCTGNAGATAGGAAAGTGNTTNANCCCATTTGAAG
GACATGNCANANTAGCTTTTTGCACAAGGTTTNAAGAATTGGAAGGGAAAAATTGCCAN
NAAAGNAAATTCAACNGGTATATTTTTNGTTTTTTGNCAGGTTTCNTGGNGCCCNAGNCNT
GGGTAGGGGGAAAGCTTTACCATTATTTTANTTNGAAAAGTTTTGGGCNNCANCACAACN
CNTTACCAAGGGNGGTATACCCAAGNCTCCCTTTTTTCCCAAAAAGAATANGGGCCAGGA
TGGGGCAATGNTTCNTTTTTCTTTTTCCCCTTCCCCAANGAAAAGGCCAACCA

Sequence 2000

CCGCGGTGGCGGCCGAGGTGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCAC
CTAAGCCGCAGGGAGATACACCCAAGTGGGAGATGAGGAAACAGCAACCCAGAGAGGAGA
ACTAACCACACAGGATCATTTCCGGAAGGAGCAAGGCTGAAGAACCAGACCTGGACTTT
CTTAGGACAAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGA
ATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGAGCC
CTGGGAGCGATCTATGTTTAACACCATCTTACTAACCATTATTGCTATGGGTGGTATACA
CTGCCTATGTCTTTATTCCAATCCACATTCGCCT

Sequence 2001

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGACACCTCACAGTCACTTAC
CAGATACCTGGGCCTTTCCTAGTGACATCCTTCTACTGATGCTAACTGGACCCTGGCCAC

Table 2

ATCAATCGTCTCATCAGAGGGTTTGTGGAGTCTGTCCACTAAGGGTCTGAGGACAAAAGC
AGCCACAGATGTGCAAGTGAACTTTTTGTGAGAACACATCACTCTGACAGGCCACATCAG
CCTATTTTGGCCCTTCTGAACACCTAAACAATTCTAACTAGCAGTCTGAAGGCTCAGAC
TGCATTACGTAACCTGATCCACCAGGAAAGTTCCAGAACTACTTCAGTAGAAAGGTAG
ATAGGAAAACCCCTCCTAAACAAAGAAATGTACCTTGCCGCTCTAGAATA

Sequence 2002

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGATATCCACATATTTTT
GANAAAAATCCCAAGCCAGGCGAATGTGGATTGGAATAAAGACATAGGCAGTGTATACC
ACCATAGCAATAATGGTTAGTAAGATGGTGTAAACATAGATCGCTCCCAGGGCTCTAAA
ACAGCACAGCAGCTAATGATTTGGTATTGATAGTANAGCCAGGAGAAATATTCCTTCACA
CGCCTCAAATCCATGGTTGGCTCCTTCAAGCTGCAGTAAGTTTGTCTAAGAAAGTCCAG
ATCTGGTCTTTCAGCCTTGCTCCTTCGCGAAATGATCCTGTGTGGGTTAAGTTCTCCTCT
CTGGGTTGCTGTTTCTCATCTCCAGTTGGGTGTATCTCCCTGCGGCTTACGTGAGCGC
CGAGGCTTTGGCTCCTCCCCAGCTGCTGCGAGACCT

Sequence 2003

CGAGGTCAGCATTAAATCGGGATCCAGTTCTTCCAGCATCCCAGAGTCTCAGTCAAACCA
CTCCAATCAGTCTGATAGCGGAGTTTCTGACACCCAGCCAGCAGGACACGTCCGTTCCCA
GAGCATTGTGAGCTCCGTATTCTCTGAAGCCTGGAAACGAGGCACTCAGTTGGAAGAGTC
CAGCAAGGCCAGAATGGAGTCTATGAATCGGCCCTACACTTCACTTGTGCCTCCTGCAGC
AGCAGAAGACGGCTCGAAGCAACATGGACAACATGTTTCGAGAGCTACATCAACAACCTTA
GGCGGCAGCTGGAGACTCTGGGCCAGGAGAAGCTGAAGCTGGAGGCGGAGCTTGGCAACA
TGCAGGGGCTGGTGGAGGACTTCAAGAACAAAGTATGAGGATGAGATCAATAAGCGTACCT

Sequence 2004

NGAATNCNCAGGACTACGTNAATTAANATGANTCTNATCGATNNACNTNGANCTCGGAC
GGGGGGCCCCGNACNCNGNTTTTTNTNNCCTNNAGTGAGGGCNCCTTGCACCCTNAGNNTT
NNNATNGTCANNGCTATTATCTGATTAACAATGTNACCATATGGAAGCAACTTTNTTTGG
NGTCTCAAAGGAATAACTGCAGCTTGNTTTGAAATTTGTACAATAATGTAAATCCTAAAA
GCACCACTATTTTAGCATAATAAANAAGTCCAAAGAGCTCCTATATAGACTACTCCAG
ATAACTTCGCTTCTTTGATACTTGNAGCTTATTGTAATTTTTTTTAAAAAATTCAANGGC
ATTATTATTGTACCT

Sequence 2005

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGTCTAA
TCTTTGTTTATAGAAGGAGTAAATAATCGAAACAAAGAACATTCCAGTNTGCAGTGCTGA
TGTTTACACNGATAAGGCAGGGCCAGGCACCAACACTAAGACTGGCTATCTATGAAGGTG
AAAACACATAACTTTGATAATGAAGCTGTCTCCTGATTATAGAAGCTAGGCTGTCTTAA
CTCTTGGGATTANAGCCAACCAAGGTCTGGAGAAAACCTCTGCCTGGAGGGAGAGAGCCG
AATATGCAGCCAGGATTTAAAGAG

Sequence 2006

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTAC
ACAGGGCTGATGTCATTTCATTGGAAACCGCAACAACTTGGCTATTCCCTTGCCCGTGGG
AGTATTGGGTTT

Table 2

Sequence 2007

CACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGAC
CACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGC
AAATACGACTTCATCATGCTGAGTTGTGTGCNGCTGCAGCGGATTCCTCTGAGCGCTGTC
TATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGA
GAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAAC
CCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGT
GAGAAATTCCTTGAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTGTCCAGCTATC
CAGAATGCCCACAAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTAACT
GAACCCATTTTGATTGAGACCTACACAGGGCTGATGTCAATTCATTGGAAACCGCAACAAA
CTTGGCTATTCCCTTGCCC

Sequence 2008

CCGGGCAGGTACATTTTAAACGGGTGCATTGTATGGTATGTAAATCATACCTCAAAAAAG
CTGTTACATAAATGGTGCCTAGAGAGCATATACATGTTCTAACTCATCCGGAGAGTCAG
GGAAGATTTTACTGAAGAAATTAAGTGGAGTGAAGGAATGAGTTAAATACAT
TAGGGAGAGGTAGAAGTAGAAGGTGTGAGACTTGGGGGTTGAGGGCATTCTAGACACAAA
GGGAAAAGAAGTACACACAAGTCCAGTGTGCCAAGGAGCTTTGTTTATAGAAAGAAGCT
TGGTCCCCTCAGTTCTATGCTGTTGTGTGGCCTGGTTGGTACCT

Sequence 2009

TATGTAATCATACCTCAAAAAAGCTGTTACATAAATGGTGCCTAGAGAGCATATACATG
TTCTAAACTCATCCGGAGAGTCAGGGAAGATTTTACTGAAGAAATTAAGTAGGAGTTGAG
AGTGAAGGAATGAGTTAAATACATTAGGGAGAGGTAGAAGTAGAAGGTGTGAGACTTGGG
GGTTGAGGGCATTCTAGACACAAAAGGAAAAAGTACACACAAGTCCAGTGTGCCAAG
GAGCTTTGTTTATAGAAAGAAGCTTGGTCCCCTCAGTTCTATGCTGTTGTGTGGCCTGGT
TGGTACCT

Sequence 2010

ANGTACCTAGATAGGAGAAATATCCAACNNCCATNTGTCACAGTGTCCCTCAGTTGGGGAA
GGGGATAGGCATTGGGGCAGCTAGCTGTCCTGTAACCTCTCCTGAACGACTCCGGGCTG
GGTCAGCCCTTTATGACTGTAGCTCGCAAACCTGCTTANCGTCCCTGGCCTTCTGGGCTGC
TCAGGCTGGGATCCAGAGAGTCGAGGTGAGAGCCACCACGTGTCTGAAAGGTCTTCCTT
CCTTCGTAACCCCTTGGGAGATCTCATCCTGGTGTGGGCCAGGTCTGGTAGTCAGGAAC
TCCTCCGTCAATGGGGTGAGGTGGTTCCCTTTTACATATAGATACTATTTTATATTTCT
CATTGCTAATTCTCCAGATTAATGTCTGTTTTCTTTTTGTGTTTCTCCCCAAGGTC
TTTAAGTGGAGTGGAGAAAATTCATACTTTATCAATGGAGACATAAGTTCTTTAGAAGT
GGTGGTGGAGGGTAAGGNTTTTTGTTTTGTTTTCTTATTGGTATTTTACCACCTGACC
TGAGTGGGGTCTGT

Sequence 2011

AGGTACCTAGATAGGAGAAATATCCAACNNCCATNTGTCACAGTGTCCCTCAGTTGGGGAA
GGGGATAGGCATTGGGGCAGCTAGCTGTCCTGTAACCTCTCCTGAACGACTCCGGGCTG
GGTCAGCCCTTTATGACTGTAGCTCGCAAACCTGCTTANCGTCCCTGGCCTTCTGGGCTGC
TCAGGCNCGGATCCAGAGAGTCGAGGTGAGAGCCACCACGTGTCTGAAAGGTCTTCCTT
CCTTCGTAACCCCTTGGGAGATCTCATCCTGGTGTGGGCCAGGTCTGGTAGTCAGGAAC
TCCTCCGTCAATGGGGTGAGGTGGTTCCCTTTTACATATAGATACTATTTTATATTTCT
CATTGCTAATTCTCCAGATTAATGTCTGTTTTCTTTTTGTGTTTCTCCCCAAGGTC
TTTAAGTGGAGTGGAGAAAATTCATACTTTATCAATGGGAGACATAAGTTCTTTAGAAGT
TGGTGGTGGAGGGTAAGGTTTTNTGNTNTTGGTTTCTTATTGGTATTTTACCACCTGACC
TGAGTGGGGTCTGT

Sequence 2012

GCTAATTGGAGCTCCCCGCGGTGGCGGCCGCTCTCCACTGCATTTTCAATCTCTAGCAAA
GTCTCATGGGGTAACAAAGAGACAGCAATATAATAAAAGAGTCTTCACTGACTGCCTGG

Table 2

GAACAAGCACAACTGCATGGCCATCAAAAACCCCCAAAAGCATCCCTCTGGTCTGCAAG
CAGGTTGCTGCACTTCTCCGGTCTCAATGGGTGCATTTGCAGGCAGCTGATTGCTGTCA
AATCCAAGGATAGAACTGACATTTTGTCTGCAAAATCTGGCACTTTGAAACTGTATTCA
TTAGCTTTAAGGATGCTATTGACTTGTGGAGGTGTGAGGTAAAATTTCTGTGGTGTGGAA
GCATATCTCCTTCCTTGGGTGTACCT

Sequence 2013

GTAACAAAGAGACAGCAATATAATAAAAGAGTCTTTCAGTACTGCCTGGGAACAAGCAC
AACCTGCATGGCCATCAAAAACCCCCAAAAGCATCCCTCTGGTCTGCAAGCAGGTTGCTG
CACTTCTCCGGTCTCAATGGGTGCATNNGCAGGCAGCTGATTGCTGTCAAATCCAAGGA
TAGAACTGACATTTTGTCTGCAAAATCTGGCACTTTGAAACTGTATTCATTAGCTTTAA
GGATGCTATTGACTTGTGGAGGTGTGAGGTAAAATTTCTGTGGTGTGGAAGCATATCTCC
TTCCTTGGGTGTACCT

Sequence 2014

CCGGGCAGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATT
ACTGAGATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAG
GAACTGAAGCACAAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGT
GATAATAAAGTTGTCAGAAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCAT
GTTATATTAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAAT
ACTGAAATATCAATTGCTTAACAGAAGTTTAAATATACGTAATTTGGCATCTTGGTTTC
ACATGTTATGGAAAAGCTAAACATATTTGGGCCTGTTAATTAAAGGCATAAAAATTATTT
TATGAGATGGTGTTCATCTGCAAAATACTAACATGATGCCTTCAAAATGCTTACTAATT
TTCCTAGAAATTAAGGTTACTAAGAGTTAATTAAATTAATATTTNGAGTANTTTAAA
CCTAGAAATANTGAAGGGAACAAATCTGTACCTCGGCCGCTCTAGAACTNNGTGATCC
CCCGGGC

Sequence 2015

CCGGGCAGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATT
ACTGAGATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAG
GAACTGAAGCACAAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGT
GATAATNAAGTTGTCAGAAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCAT
GTTATATTAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAAT
ACTGAAATATCAATTGCTTAACAGAAGTTTAAATATACGTAATTTGGCATCTTGGTTTC
ACATGTTATGGAAAAGCTAAACATATTTGGGCCTGTTAATTAAAGGCATAAAAATTATTT
TATGAGATGGTGTTCATCTGCAAAATACTAACATGATGCCTTCAAAATGCTTACTAATT
TTCCTAGAAATTAAGGTTACTAAGAGTTAATTAAATTAATATTAGAGTAATTTAACT
AGAAATAATTGAAGGGAACAAA

Sequence 2016

CCGCGGTGGCGGCCGGGGGCCATTGAGACTACCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCGTTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTC
CACTGAAAGTTCCTTATGCTACTTTCACTTGAGCATCCTATGAAAATACACCAGTGAGAA
ATTCCTTGAAATTTGCAAGTTGTCTGGG

Sequence 2017

ACACCACCTACCTGAATGTCCAGCGGGAAAATGGGACCATCTCCAGATACCGTGGGAGGC
CAAGAGCATTTGCTCACTTGCTGATCCTCAGGGACACCAAGACCTACATGCTTGCTTTT
GACGTGAACGATGAGAAGAACTGGGGGNTGTCTGTCTATGCTGACAAGCCAGAGACGACC
AAGGAGCAACTGGGAGAGTTCTACGAAGCTCTCGACTGCTTGCGCATTCCCAAGTCAGAT

Table 2

GTCGTGTACCTCGGCCGCCCGGGCAGGTACCACGTCCATGGAGAAGATCTGGACAAGCTC
CACAGAGCTGCCTGGTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATGCTCAGGGAC
ACTGATGTGAACAAGAGGGACAAGCAAAAGAGGACTGCTCTACATCTGGCCTCTGCCAAT
GGGAATTCAGAAGTAGTAAACTCGTGCTGGACAGACGATGTCAACTTAATGTCCTTGAC
AACAAAAAGAGGACAGCTCTGACAAAGGCCGTACCTCG

Sequence 2018

CCGGGCAGGTACTAATCGTTCCTGTTGATTACTTTTAAACCAGGTGAGAAAAATTAAAT
TATCGTATTCTAACAAAGTAATATGTGAGATTTTGCAAATGATTTTATAGAAATACACAA
AATAACTCTTTAGCTTGCTCTGAGCATTTTTTCTTTTCTGATAGCAACTTTTAAACGTT
GTGGATCCACAGAACTTACTGCTTTGCTTTCTTTTGGGGTCATAATCCTCTCCCTT
GGAGTGTCCACTCCATGCATGTGCACTTAGGATGTGTGGCTGTGTGTGTTGGGAACC
CTCACGGACACATAAGGTTCTATGTCATCAAGTAGAAAACCTATCTCATTATCATTATAA
TGCTTTCAGATGCTTNTAAGGTTACCTCTTTTTAACATTAGAAGTCAGTGAATGCAG
CTTTCATTATAATTTTAACTTTAAATGTTTTGTATTAN

Sequence 2019

AGGTACTGTTGCAGTGAGCTCAAGTGTTGGGTGTATCAGCTCAAAACACCATGTGATGCC
AATCATCTCCACAGGAGCAATTTGTTTACCAAGAATCTAAGAATTAAATCTTAGAATGTA
TTAATGTTAAATTTCTGTGAGATTATATTGTAGTCACGTAGAATGTCCTGACTTGTAGGA
ATACCCACTTTTTTCTGATGCTTTACTAATTCATCTTTTAGATTTAAATCATTAGTA
GATCCTAGAGGAGCCAGTTTCAGAAAATATAGATTCTAGTTCAGCACCACCCGTAGTTGT
GCATTGAAATAATTATCATTATGATTATGTATCAGAGCTTCTGGTTTTCTATTCTTTAT
TCATTTATTCAACAACCACGTGACAAACACTGGAATTACAGGATGAAGATGAGATAATCC
GCTCCTTGGCAGTGTTATACTATTATATAACCTGAAAAAACAAACAGGTAATTTTCACAC
AAAGTAATAGATATCATGACACATTTAAATAGGGCACTACTGGAACACACAGATAGGAC
ATCCAGGTTTTGGGTCAATATTGTAGACTTTTTGGTGGATGAGATATGCAGGTTGATACC
AGAAGGACAACA

Sequence 2020

CAGCTCAAAACACCATGTGATGCCAATCATCTCCACAGGAGCAATTTGTTTACCAAGAAT
CTAAGAATTAAATCTTAGAATGTATTAATGTTAAATTTCTGTGAGATTATATTGTAGTCA
CGTAGAATGTCCTGACTTGTAGGAATACCCANTTTTTTCTGATGCTTTACTAATTTCA
TCTTTTAGATTTAAATCATTAGTAGATCCTAGAGGAGCCAGTTTCAGAAAATATAGATTC
TAGTTCAGCACCACCCGTAGTTGTGCATTGAAATAATTATCATTATGATTATGTATCAGA
GCTTCTGGTTTTCTCATTCTTTATTCATTTATTCAACAACCACGTGACAAACACTGGAAT
TACAGGATGAAGATGAGATAATCCGCTCCTTGGCAGTGTTATACTATTATATAACCTGAA
AAAACAAACAGGTAATTTTCACACAAAGTAATAGATATCATGACACATTTAAATAGGGC
ACTACTGGAACACACAGATAGGACATCCAGGTTTTGGGT

Sequence 2021

TAGGGCGAATTGGAGCTNACCGCGGCCNGCCGCGCGGTGGCCAGTGAGNCTGCCATGTGCT
GACTTGAAAGGTCCNTNCTGAGACTTCTGGAGAGACCATTACGGCTTCTGGCTCTTGA
CAAACATAGACCACTGGAACAATGATTAAGGAGAGAATTCTACTGGCACAGACAAGACTC
TCTTGATCTGCAAATACGACTTCATCACGCTGAGTTGTGTGCAGCTGCAGCGGATTCCCTC
TGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACA
AGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGA
AATACACCAGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTG
TTCCAGCTATCCAGAATGCCCAAGAATTCACTGGATCTGGAAGAGGAAAGAACTGA
TGGTGTTAACTGAACC

Sequence 2022

TGGAANCCACCCCNCTGGCGGCCCGCCGGGCAGGTACNTTTTATCTGAAGGGNAGAGGN

Table 2

AGCCCCACCTTTAGTATGTGAATATCTGATGAAACGATTCAATGGNTTTGTAGCATTGGA
TTCAATNTCAGGGNTGGGCTCCTTTCTAGGAATAGAGGAATATTCTTATCTCANGAAAAA
AAATTCATAGTGC GGNNTTTTCTCGGGGGGNANATGGTGGAAAAAGGAATCATTGACCCA
ACAAAGGTTGTGAGAACTGCTTTATTGGATGCCNCTNGTGTGGCCTCTCTGTTAACTACA
GCAGAAGTTGTAGTCACAGAAATTCCTAAAGAAGAGAAGGACCCTGGAATGGGNGCAATG
GGTGAATGGGAGGNGGNATGGGAGGNGGCATGTNCTAACTCCTANACTANNGCTTNACC
TTNATTAATGAAC

Sequence 2023

TGAACCATTTACTGTCCGTGTATTTAACTGCACTTGGTAGACAACAGGCCTCGTGCTAT
TGCTCAGGGCCACTGGCTCCCACTCAGGACCTGCTCTGCGTTGTACCTCGGCCGCCCGG
GCAGGTACCAGGCTAAGTAGGTGGTAAATTGAC

Sequence 2024

TGAACCATTTACTGTCCGTGTATTTAACTGCACTTGGTAGACAACAGGCCTCGTGCTAT
TGCTCAGGGCCACTGGCTCCCACTCAGGACCTGCTCTGCGTTGTACCTCGGCCGCCCGG
GCAGGTACCAGGCTAAGTAGGTGGTAAATTGAC

Sequence 2025

CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCATCACGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACTTTCCTGAGCATCCTATGAAATACACCAGTGAGAAATTC
CTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTGTTCAGCTATCCAGAATGCC
CACAAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATT
TTGAT

Sequence 2026

GAGTTCACCTTCTTCCACCTGTGGCTTNTTCTGAGCTTTGTCCCCTGCCTTGAAAGCTC
AGCCAAATCCTGTCTTGAGAAATAGCCTGGTGTGACCTCTGTGAAGTCTCTCTGACCACT
CAGCCTGGTGTCTCTCCCTGCTGAATCCTTAAGCTCCTAACCTCATTCTTCTCTAGAT
GAGCTAAATAAACTTCTTCTGCTACTATCTTTTCATGCATATAATTTTCCCCAACTA
CACCATGAACCTCATTGAGGACAAAGACCAATGTCATGATTTTATACATTCAACATGGT
CTAGGACAGTCTCTCTGCCTAAGGACATTGATAAATACTTACTGAATGAAGTGATTAA
TTTCTTCTTTTCAATTATGTTTTACTCTTTCTATGAAATATCTTAACCAAATTTTATTCC
TTTCTAAGTTTTCTTACAGGACGTGATAGGCTGCATGCAAGAGGCATACAGAAAATGGG
AAATAGTATTTGCTGTCTGAACTT

Sequence 2027

CCGGGCAGGTACCCTGGAATCATACCTGAAAGCAGTGTTCAACCTTAGCAAAATCTCCAA
CCAGCGCATGAACAATTTTCTACATCACAACGACCTGGTTTTCAAATTCAGTTCTCAAGG
CCAAATCTTTCTAAATTTAACCAAGAACTTCATCAGTTCACAGAGAAAGTAATCCAGGA
CCGGAAGGAGTCTCTTAAGGATAAGCTAAAACAAGATACTACTCAGAAAAGGCGCTGGGA
TTTTCTGGACATACTTTTGAAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGA
TCTCCAGGCTGAAGTGAAAACGTTTCATGTTTGCAGGACATGACACCACATCCAGTGCTAT
CTCCTGGATCCTTTACTGCTTGGCAAAGTACCT

Sequence 2028

CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGGTGTTCTTG
CTTAAAGGTGATGTTCTTGATGATAAACGCACTGCAGAGACAACACAGTTTAAATGGCTG
AGGCAGGTGACTCCCTTTAAGCATCAGGGTGAACAACTACACGACAAAATGTAATTTT
AAAGACCACTCTCATTCAAATGTAATAATATCAAAGCACCCCTTAATCATTAAATGAGTGA

Table 2

AACAATGAGTGTTCATGGTCTGAACTGTGTTCCCCTCCCCAAACCCGTATGTTCAAGCCCT
AACCCCTAGTTATACACATAAGGTAAATGAAACCTCATTTGGACACAAAGTTTTGCAGA
TGTAATCAAGCTAAAATTATCTCTGTAGGTGGGACTTAAAATAACATGGGTGTCTTTAT
AAGAAGAGGGAACAGAAACAGATAGGATGTGGAGAGGACCATGTGAAGAGAGAAGCTGAG
ACTGAAAAGGATTTATGTATTAATATTGACAGAAGCCAAGGAACACCATCTGAAGTTCTG
ACGGCAACATCAGAAGCTAAGAGAAAGGCATGGAAAAGATTCTTACCTAGAGCATNCAG
AGGAGANGTTGGTCTGCAACACCTTGTTTTCTGACCTCTGACCTNCGCAACTGTGANG
GAAGAAAATTTCTGTTGCTTTAAAGACACACCAGCTTGTTGTTACCCTGCCCGGC

Sequence 2029

CCGCGGTGGCGGCCGAGGTACTACCCTGCGTGCGGCGGTGGGAAGAGCTGTGAGCCTGGA
GGACTCGGGGATGACCTGTGTTCTCTGCTTCCGTTGTCCCCAGTGTGCTTTGCAAGCAT
GTTCCCAGGATGTGGGACCTGAGGAATAACTTAGCAGTGGCCAGCATCTGAAGCTATGTG
TGTGAGCCTAGGACTTTTGCTAGATCCCTGATCAGCTCTTAAAGTAACAGGACCCCAAAA
GGGAAGGGAAATTCAGATTTAAGTGGGCTAGATAATGGTTTCTCTGGTGCCACGCTGCTT
GGGTTTCAGATGCCAGCTCCAGCTTTTACTAGCTGTGTGACATTGGGGAAGTTGTCTAACC
TCTCTGGGCCTTATTTTCTTTACCTGTAAAACAAGGCTGCTGGGCACGGTGGCTCACGCC
TGTAATCCAGCAGCTTTGGGAGGCTGAGGCAGGCAGATCACATGAGGTCAGGAGTTCAAG
ACCAGCCTGGCCAACATGGGTGACACTCCGTCTTTTACTAAAANTCCANNNNNAAAAAAA
NANNNNAAAAGTCCTG

Sequence 2030

AGGTACTTTCACAGCAACATTTAGACTAGTGTTTGACCAACAACCTGGGCACCACGGTCAA
GCCAAGTTGGCATATAGAATTAGCCAGCAAACTTGGTATTCACAATCTGTCAATTATAGTC
TTATCTATAAACCTAAGGTTTAGAGAAACGCTGGTCAATCTGAACAATCCCTGTGAATG
CAGAGATCAAGGAGCCTCCCCTTAACTGGGTAGGCAGTGTGAAATACCTGCAGTGTGCTT
GACCTTACTGTTCACCCACTGGCAGCTGTTCTACAGCTTGGCTTCAGATATATAATATT
ACATTGGCTAACTTCAAAGAGCATTGTTTTCCAAGGATAGAGATGGTGATGGTGATATT
ACTTTTACCAGCCCCAGACCTGTAAGAGGTTCTCATCTCTTTTGTTTAAGATTTTGTTGN
TTTTTTTAAATGCTCAATAAAAGAAGCTTTATCTTTTCAATAAAAACAATCTCAAAAG
AACAGGGAAGAAAAGGGTAGCCTATGAAAGTGTGATTGGTATTTGATACCATCGTGACTT
AACTTGGTTTCACCTAAGACTCTGAGAATCTATTCTGGTTATGNGAGAATTTGGGCTGAG
TCAACTACTATNCATATTAAGTGAATCATTAACAATTAATCCATCATCTGGGTACATTT
TGGGGGGGANGGGGCCCTTTACACACACTTAAGCCCCATTTTTTACTTTTT

Sequence 2031

CCGGGCAGGTACCACAAGCTGTGTGTCTTTAAGCAACAGAAATTTCTTCCCTCAGAGTTG
CGGAGGTCAGAGGTGAGAAAACAAGGTGTCTGCAGGACCAACCTCTCCTCTGGATGCTCT
AGGTGAGAATCTTTTCCATGCCTTTCTCTTAGCTTCTGATGTTGCCGTCAGAACTTCAGA
TGGTGTTCCTTGGCTTCATTTTCTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCCTGG
GTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGAT
GAATCCTTATGTGTCCACCTGGATGTTCCGGTTGAAGAGCTAGTGTCTCACCCTCTTTC
TGCTATTTGTGAGAGTGGTACACACTAACTGCTTCTAGTCAACCATCTTGGCCCCACCTC
ACTCACTTTTCTCAAGTAAATCAAAGAAGCTTTTGAAGAAGTGGGAGATGAAATGTTTTGAA
TTGCCCTTCGTTTTGCATTCCTGGAAATTTCA

Sequence 2032

CGAGGTACCTTCTGGGTCAATTCATGCATGTGTGTAGGGATGAGCGTAGGAACCTCATA
ATGCAACTTCAGGGGACCCCTTTCTTGAGCTCCCTCCTCTTTGTGGTTTCCCCAACACTC
TTAGACACCAGGGGGCGCTTTCTCTCCCCTCCGGCTGGCAAGCTGGGGTTTGAGCCTCTC
TGCTCTGTCTTGATCTCCCACTAGGTCTTCTTCTGGGGCAAAGGGGTAAAAGAAAA
GAAAGAAAAACAAGTAACAGGAATTCTCTCACACTCTTTGAACCCAGGGGTTCTTTAC
TCAGTTTCTCTGGCCAAAGAGAAGGACTCTGAGGTACCTGCCCG

Table 2

Sequence 2033

CGCCCGGGCAGGTACGTTTAAATGGGATTGTTTGTTCCTTGTGATTTTTTAAGT
TCACCAGATGCACTGTGCTGGGGTCTGTGATAGTCCCTAATTGCTGTGCACCCCTCCAA
GCCTGAGAGCAGCAGGAGGGAGGGTTCGAGACAGCAAAAAGGTGGACTGCCTCTCTCTT
TGGGAGCTGCATGCCGAGAAAGTGTANAGCTGCTCCCAGCTGGAGAACTCAGGAGGACTA
GGGTGGCCTCACTAGCATCCCAGGCTAGTGGGTCTTATCCTACAAGGTTCAAGTGGTGGT
GAGGTCTGCAGTCTATCACTGCTCAGCCCCATGGACTTGGCCCTTTTCTGGGGAGCGTG
CAAGAAAACCTTGGCCTTCCCAATTGCTGGAGCTGCAGCCCCTGGTTTGGGGTACCT

Sequence 2034

AGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATTACTGAG
ATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTTAAAGGAGGAAGT
AAGCACAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGTTGATAAT
AAAGTTGTCAGAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCATGTTATA
TTAAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAATACTGAA
ATATCAATTGCTTAACAGAAGTTTAAATATACCGTAATTTGGCATCTTGGTTTCACATG
TTATGGAAAAGCTAAACATATTTGGGCCTGTTAATTAAAGGCATAAAAATTATTTTATGA
GATGGTGTTCATCTGCAAAATACTAACATGATGCACCTTCAAAATGCTTACTAATTTTAC
TAGAAATTAAGGTTCTAAGAGTTAATTAATAATATTAGAGTAATTTAACTAGAAAT
AATGAAGGGAAACAAATCTGTCT

Sequence 2035

CCGCGGTGGCGGCCGCCCGGGCAGGTACAATGAACATTTTCACTGTAGAATGAATTACAA
AACAGTAATATGAAGGAAGGTTTGATTGTAAGCACAGCAGCAAAATCCTCCAACATTT
ACCCCATATCATTTGGTGAGAGGGGAACCTTAACTCTAACCCTTTTACTGTTGTTGCTC
TCTACCATTTTGCTTTTTCATAAAAGTTCTACATCAAACTGTTACTCCCTCTTCCACAA
CAGCACTGAAAACGTATTTCTTAGAGCTATACTGTCCCCAAAATTGGAATACAGACTT
CATGAGAGAATATTTTATCTCTGCCTACCACAGCATGTGAAAAAAAAGGAATTTTTTAA
ATTTAAATGTTAAAAATTTTCCAATTCTACCAATACCTACCAACTTACAAAACCTAGAG
AACTCAGAAATACACAAACACACATTCCATTAACCACCAGAGTGATGATGCTGTGCGCTC
ATAGAGCCTCTGGAAAACCCCACTGTATAACTGGTGAGAGAAACAGAGGGAAAAAGGCAA
ACAACCTTGAGAAGAATTACTTAACAAGACATANGGGAAGAGGTAATCACTAAATCCTCAA
TAACACAATTTCCAATTCTATTTAGAATTTGGTATTTGGGCCCAGTGTGGTGGCTCACAG
CAGTAATNCTAACACTTTGGGAGGCCAANGCAGGAAGATGTCTTGGCCCCAGAGTTCGAG
AATCGNCTGGGCACACAGTGAGGACCCCTTTTACAAAAA

Sequence 2036

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTT
TGAGCTCCACCTTTTCACTGAACCTTTACATTTTGGGGATCTGCTCTTGTAAGGACA
TCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGTTGACT
AGAAGCAGCTAGTGTGTGCCACTCTCACAATAGCANAAAGAGTGGTGAGACACTAGCTC
TTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCG
GATCACGGAGAAGAGTGAGACAGATCAAGCCATTCACCCANGAAGTGGCACAGACCCAGG
GGAATCCCCCTACAAGAAAAATGAACCTCAAGCTCCATGAGGAGATGTTTC

Sequence 2037

ACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACCATTTGT
TTTTCAATTTGTCCAAAAGCCCCTGCTCGTTCACTTTTAACTGCCAGGTTTACTGGAT
TTCTTTAAAAACGAATAAATAACTCGATGAGTAACAGGTGGAGAACTCAGCAAGTC
ACGTGACCCCAAGGGATCGGTGAATCAGCTCCATTACCCAGCCTGCCAGGTTGCCCTTTGA
CCTGAGGATGCCCTGCCCCCAACATCACTGCAGGAATTGGGGATGGAGCCAAGGCATAA
GTCTCCATCATTGACTCCATTATGGAGAGGCGTCATTGTAACCTAAGTTTTCAGAAGTT
GGGTATTTTGAAGCAATGGCCCCAATAGTTTTCCCTCCTGTCTGCTTTTATAGAATTT

Table 2

CTTTTCTTTTCTTTTTC

Sequence 2038

NCGACTACTTAGGGCAATTGGAGCTCCCCGCGGTGGCGGCCGATATGGGCTTTTACCCC
AGGCTGAGACAGAACTCAAAGAAGAAAGCTCAGGGCTGAGATCCGGGCTGAGATCCA
GACTTCGTGTGAGAGGACACAGCTGTGAAAGACAGAGTTTGTGAGGCTGTGGAGTTGC
AGCTGGAGAAGGTGCTGGGCTTGGGGCACTTTGCAGAGAAGGGACCTTGTGCATGTCAAG
GGAAGCCATTTCATGTGGGGGTACCT

Sequence 2039

TGGGGCGGGCCCGAAGGGNTNCCCGGGGNTTGNATGCGGGCAAAGCCGCTGGGCCGTGGC
CTCCAAGAAATCTTTTGGCTTGGTTAAGGCCAAAGTTTTTGGGGTTTTGGTGGCCCAAA
GGGCCCCAAGAAATCCCCTTCCCAAAACCTTGTGGGGCCAAGNAAGGGGGTCCCAAGG
GCTTTGGACCAAGNAAGAACTAACCTTCTTCCCCTTTTGGCTTGAAAAGAAAGGGCCTT
TGGGNAAGGGTTGTTTCAAGNTGGGGAACAAGGAAAGTTGGAAAAGCCAAGCCTTTA
AGGCCCTTTTGAAGGGGCAAAGCCAAAGCCCAACCAATTGGAACCAATTGTTTCAAT
TTCAACCCCTTCTTTGGCCCAAAACCTTCCCAAGGGGGAACCCCTTCTTTCNTTNT
TGGGGGGGNAAGGGGNCCAAAGGGGGAATTGNAAGGNCCNTTGGNACCNTTAANTTGG
GGGCCNTTTGGTTGGCCCCGGGGGAAAAAGGGGGGAAAGGGCCCTTAAAAACCCNGGG
GGTTNGGGGGGCCCTTTGGTTGGAAAAGGGGGGGGAAACCCCTTTGGCCCTTTGGGGG
GNCCCCCCCCAAAATTTGGGGGGAANCCTTNGGGTTNAAATTNGCCCCCTTTTCCCCC
TTTTCCCCCCCCCAAAGGGGGGGGNAANTTGNAAAAGGGCCCCCTTTTGGGTT
TTTTAAATTTGGGGGGCCCTTTCCCCCTTTAATTTTGGGGCCCTTTTNGGGTTT
TTTTGGGTTTTTGGGCCCCCAAGGGCCCCCTTTTCTTTCCCTTTCCNGGGGGGCC
CCCCC

Sequence 2040

AGGTACAGCCACAGGTGGAAAAGAACTTGGACTTTCTCAAGGCGGTAGACACGAACCGA
GCAAGCGTCGGCCAAGACTCTCCTGAGCCCAGAAGCTTCACAGACCTGCTGCTGGATGAT
GGCAGGACAATAACACTCAGATCGAGGAGGATACAGACCACAATTACTATATCTCGA
ATATATGGTCCATCTGATTCTGCCAGCCGGGATTATGGGTGAACATAGACCAAAGGGAA
AAAGATAAAGTGAAGATTCATGGAATATTGTCCAATACTCATCGGCAAGCTGCAAGAGTG
AATCTGTCCTTCGATTTTCCATTTATGGCCACTTCCTACGTGAAAT

Sequence 2041

CCGGGCAGGTACAAGTTGTCTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAAGTCCC
ACCTTTTCAGTGAACCTTACATTTTGGGAGATCTGCTCTTGTAAGGACATCCTTTCTG
GTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGC
TAGTGTGTGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGG
AACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGA
GAAGAGTGAGACAGATCAGCCATTCACCCAGGAGTGGCACAGACCC

Sequence 2042

GCNCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGAAATTGCCTCAGAC
AGGGATTGATGTCAGGAGGCTTCAAGGAGAGAAATATACATGAATGGGAGACCCAGGTT
GCAGGCAACAAGAGTCACAGGTATGGGAGAAACCAGGAAGTCTGTGCCATGTTAAGTTG
CTCATCTCATCGGGCTTTGTACTCAGATAAGAATATCATCCAAAAACACAGCATGTTACT
TCTTGTAAGTGAGTCTTACTGTTCCACAAAACCCGCGTACCT

Sequence 2043

GCGGCCGAGGTACTNNGGTNTNTNTNNTNTNAGCTNNTNANCTGGTTTTTACTGACTGA
TTNATTTTTGTNCATTTTNCAAGNAANCTTGAATGAGCATGCATAACATCCANGCCAGA
AAGGGAGGGGCAAGAGGGTGGGCATCCTGTCAGGCACTCAAACCTTTCTGAAATTTGTGC
CACTGGACATATTTAATAATTAACCTTTGGGATTGAATTTGGATTCTGTGTGGTTAAANA
GAATANTNCGAAAGGACCCCTGATGTAAAGCCAGAAGCAGANATGCCATGGAAAAGTAAGG

Table 2

CTGAACCTAGCACATCAANTTCCTGGGGGTTAACAGAAGGTGGCTGAGGCTGTTAATGGG
CCATTCATCCCCTGATTCAAAATCTGAACAGACTTCACCTATTCTGCTCCCTGGTGATGC
TAAAAAATTATCAGCCTATCATTANTCATGGGAAAGGAGTGGAAGAGGAGTTG

Sequence 2044

AGGTACAATCAGGCCACGCCAACCTTCCACCAGTGGCGAGATGCCCCGCCAGGTCTACGGC
TTAAACTTTGCAAGTAAAGAAGAGGCAACCACGTTCTCCAATGCAATGCCGTTTGGCCCTG
AACATCATGAATCCCAAGAAGGAGGTAAGTAGGGCTTTGTCTTGGCCTGATGCTGAGAC
CCTCTCTTGTCTACCTCTGCCCTCCCACAGCTCTGGCTCTCCGGGTACCCCTAGCACTGT
CACTGCATTGAGCTGAGGTTGCATGTGTTCTCAGAGAAACCTGCTGCCTGCCTTTAGATT
TAGAGATATTAACAATTAGAGGAGGAAAGAATGGAGTTTGATCTCTTT

Sequence 2045

TNNAACATGTGCTACTGNNCAGGCNGTACCTNTAATACTGGTGATGCTAGANGNNATGTN
TATGNNCANNAGGCAGGGNCCTGATTGTGCTGCAGTGACAATTCACNTNTTNGANNNNNA
CTTNATCANNATGCCNNTNACAGGGTTTGACNTGGNTGTNNACNTTGACNNGTCTATAAC
TAT

Sequence 2046

CCGCGGTGGCGGCCGAGGTACACCAAAATGGATCATAAGCTAGGCCTTAAACAAGTTTT
AATACATTTTAAATAACTGTAAGCATATTGACTATGTTCTCTTACAATAACTGTATTGA
ATTAGAAATCATCAACAATAATTTCTAAGAAGTTGTTCTGTGCAGGAAATGCACAAGG
GGAAAGGAAAAGACACACACAATACTTTTAAAGGGTAAACAGTCTTTATCCCAAGTATATG
GCAATACAGATATAATAACAAATCATATAATAAGCAAATCATATGATAAGCAAATCATG
TAATAAGCAAATGCAATGGGAAGGGGAGAAGGGAAAATATATATATTTACACTCACC

Sequence 2047

CGCGGTGGCGGCCGAGGTACGCGGGGGGTGCAGGGCAAGTCAGACTGGAACCATGGAGCT
CAGCGTCCCCCTCTTCCCTGCACTCCTCACAGGCCTCTTGCTACTCCTGGTTCAGCGTCA
CCCTAACTCCCATGGCACCCCTCCCACCAGGGCCCCGCCCTCTGCCCTTTTGGGGAACCT
TCTGCAGATGGACAGAAGAGGCCTACTCAAATCCTTTCTGAGGGAGTGGATCTGATTGCC
GTCAATCAATAATACCTTTGACCAAGGGACTCCAATCAATTCAACATGCTTTGCCTAATG
CCTTTTGTGTGTAATACTGTTGCGGGACAATCAAAGACTGGAGAAGATCAAAAAAAAAA
AAAAAAAAAAGTCCTGCCCG

Sequence 2048

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTATTCCCTCCCTTATTCAAGACTTTGCTTAA
ATGTCACCTGTGTAATGGAATCTTTCCCAATTTGTCAATTTGTCCCATAGACAAATAGA
TCAATAGTTCACTGATCTATTCCCAGTGCTGATAACAATACCTGGCATAGAGTAGATGGT
CAATGAATATGTGTTGAATGAATAAATGAGCAACGTGGGTGAGCCACCCCATGAAGTTAG
CTGGAGGTTTTACAACATCAACAGAGTGAGGTAAGAGCACGGGAGACAAGCCACCATGGT
CACTGTAAACCAGGCTGCCAACTGATTTCAATTACTGCTTACAAGGAGGAAGAACAAGG
ATCCCATGTGGTGCCTAGGAAGTCAACAAAGTTAATAAAGCAGAGTTTTCTAGAGCCTGA
GGATCAAGTATCCAGTAGGAAAGCTGCCCTT

Sequence 2049

TACGACTACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTAC
CAAGATTGAAGCCCCTTAACATTCAGTTCAAGTGTGGTTCCACTTGCCTGAGCACAAGT
TGGAAGTAGCTTTGTTAGGATTCTAGCCGGCATCCTTGCTGTCACTACTGGTCTTGAT
AGTCAAGCCCCACTCTGTGCAGAGCAAATCTTTGCTCAGTTAAGCGAGCGTCAGTCACTG
GTAAGCTTGGCTGCCGGCCCGGGGTTGTTAGGCTTTTCCATGCTACACCTGAATGAGATA
TTGACGAGACATTGCTACCTAAACAGAGTTGAGAACTGGGATAAATAAATAAATAATT
AAATTGTCACAGGGCTGAGAGAATAATTTGAAAATGCAACTTACACTTNCAGTGCAGAA
ACAGAATCAAGGGAAGTCCTCGGCCCGC

Table 2

Sequence 2050

CCGCGGTGGCGGCCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGT
TTGAGCTCCACCTTTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGAC
ATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGAC
TAGAAGCAGCTAGTGTGTGCCACTCTACAAATAGCAGAAAGAGTGGTGAGACACTAGCT
CTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTC
GGATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGG
GAATCCCCCTACAAGAAAATGGTGAGTGAGTGANANGTCCCGTGGGATGCATATTTCTGC
CNCGAACCTTTNAATCCTG

Sequence 2051

CGCCCGGGCAGGTACCGTGATGTGACTCTGGAGAACCTGGCACTTATGTCCTCCCTGGGT
AAGTTGCTCACACTCACCTGTGACTTGAGCTAGTCTCTGTTTTCCCTGTCTTTCCCA
TTGGCAAGACTTTCTATGTCAGGAGCATGGACACAGCTTCTGCTTCAGTTCTATGGGTA
GGTTCTTGGTTGTAGGACTGAGGTGTACCTCGGCCGCTCTAGAACTA

Sequence 2052

CGAGGTACCCACAGCTGGGAGAGAGCTAGTGAGCTCCAGGGAGGGTCAGCTGGGGGAGTT
TCACCATTGGCTGTGTGTCAGCCAATGGCAAGGTGTGTGAACAGGGAACCTCCTGTGTTGAGC
AGAGAGAGGAAGAAGATGCGTCCGAGATGGAGTTGGGGAAGGCAGCACTTGCGTGTTTGT
GTGTCCAGAGTCGAGCGGCCCGCCGGGCAGGTACGCGGGTAAACACATCCATAAAAAGAG
GAACTAGCTGAAGGAAGAGAAAAAACCATGAGTTCAGACGATGAAGACTGTTCCGGCGAA
AGGAAGAAAATCGTCACATTGTAGTCAATAAAGCCGAACCTGCTAACTCCACTGAAGTGT
TAGAAAGCTTTAAATTTGGCCATGGGAGAGCTGGGAAGTTGCTCTATTCCCTANAATTC
TTNACAAAGAATTTCAAGGATTTTCTTGGCCTGGAAAGACCGGATACTTTGCTTTTGG
T

Sequence 2053

AATTGGAGCTCCCCGCGGNGGCGGCCGCCGGGCAGGTACTGACTCCGAAACATTAATACC
ACCAGAACTAGCAAAATAGAATTTCACTGCTTTGACACAGGAGTTGGCTGGCTGACTTT
TTCTTAAAGGGCCAGATAGTAAATATTTAGGTAAAATTTAAGCTATCATGTAGGTATTT
GCATAACCATTTAAAAATTTAACCATCTGAAAATGTAAGAATCATCTTAATTGCTTTAGTT
TGTCAAACCCTGCTTTCATATGCCCTTTAAAAAATCTCAGCTATGGTTCATTATTACTA
GCTCAGCTTTTAATTCTTTAAATTTGGTTGAATTATTCTCTATGNNAGNTATTTTATTGA
CCAGTTTGGGAATATTTTGTTCATTTATCAGGGAGTATGCGGNTAATGAAGTTGTGGCAA
GGGATAAAAGAATACTTCAACCGTAATGGTGGGGTACTCAAGGGCCAGCACGCTCCTGCT
CATGCGGGATAAGCCACTCAGAGCAGACCCAGCTGGAANGGATCAGGGATCTGGANCAA
GCCAAGTTTAC

Sequence 2054

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTTTTTAGTACTAGCACA
CTTCTCTTCAATTCTAATTTGAAGCTCCTAGTTGCAGTGGGCTTGGGAGCCAGATAACA
AAAAAGTTGTATTAATAATGTATGAAATATAAGGATGAATAAGGTTGAGGGAACTCTAAA
GCTATTTTTTTTGTANAAAAATCTGTTTACATTATGGATACNCTGACTTGCCANAAATC
TATGATTCTAAACAGATATTAATATGTGTGTGCATTTTTTAAAGTAATAAGCAATTTTT
TCTGTTCAACAATTGGATAATTAATGAAAAGATTACAAAATGA

Sequence 2055

CGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTG
GCTGGTTTTAANTTTATTTTGTGGAACCTTTGATAANAAATCTCAAATTANACTTTTAA
AAGCCTTTCAAGGGTCANAAGTCAAAGGAGGGCGAACATCAAATTTTGGCTGCAGTATCT
AAAAATCTGCATGAATTTCTNTNTTCTTGAGGTCTCCAATATATNTGGAGGTTCTTGCC
ATTTCTTGANGGGGATTCCC

Sequence 2056

Table 2

GTGGCGGCNCGCCCGGCAGGTAATAACAGNGATTTGATCTAGAAAAGGTGATGCT
AAAAATGCATGTAGATAAAACCTAATTTTTTTCAGACACCAAAATGAAAAATTATTAGTA
TGCCATGACACATGAACACTTTTATATTCCACAACCACTGTGCTCTCCTTTTGGTGTTCA
TTTGCAATGGATGGAATGTTATGTCCCTTCCAAATTTGTATGTTGAAATGCTAACTCTC
AAGATGATGGTATTAGGAGGAGAGGCTGTTGAGAGGTGATTAGGCCATGAGGGTGGAACC
CTCAAGAAAAGGATTAGTGCCCTCAGCAAAGAGGCCTAGGAGAGCTAGCTTGCTCTTCCA
GCATTTAGGGACACAGCAAGAGGGTGCCGTCTGTGAAGTAGAAAGCANGCCCTCACCAGA
TCCAAATTTGCCAATGCCTTGNCTTGGACTTTCCAGCCTTCAGAACCATGAGAAGTAA
TTTCTGTTGTTTATAAGCCACCTANTCTATAGTNGTTTGNTTTAAACANGCTGAATGGAC
TAAAGGCATTATTTAT

Sequence 2057

AGGTACCTTGCACATCTCTGCCTGCGCTGCTCACCCACTGTCAAGAAAGAAAGGTAGAGC
CTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTTCGGGCGGGAGCCCCCAGCACCTGG
CTCTTCTGCATGAAAGCTTGGTTTCACTCTTCAGAGGTGGTGGCAACATCCCCAGAAAA
CCGGTAGGCGTGGGCACAGTGCTGGAGGCCGAGGGCTCCTCGCCATAGCAGAAGCA

Sequence 2058

CCGGGCAGGTACGCGGGGGCAGTGGGAAGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTC
GGCGCTCACCTAAGCCGCAGGGAGATACCCCAACTGGGAGATGAGGAAACAGCAACCCA
GAGAGGAGAACTAACCACACAGGATCATTTCTGTGAAGGAGCAGGGCTGAAGAACCAGAC
CTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCG
TGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCAATCATTAGCTGCTGTGCTGT
TTTAGAGCCCTGGGAGCGATCTATGTTTAAACACCATCTTACTAACCATTATTGCTATGGT
GGTATACACTGCCTATGTCTTTATCCAATCCACATTGCGCTGGCTTTGGGAATTTTC

Sequence 2059

CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGG
GGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTT
ATGCTACTTTCACTGAGCATCCTATGAAATACACCAAGTGAGAAATTCCTTGAAATTTGCA
AGTTGTCTGGGCTCATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATTCAA
CTGGATCTGGAAGAGGAAAAGAAAAGTATGGTGTAACTGAACCCATT

Sequence 2060

CGCCCGGGCAGGTACCCTGGAATCATACCTGAAAGCAGTGTTCAACCTTAGCAAAATCTC
CAACCAGCGCATGAACAATTTTCTACATCACAACGACCTGGTTTTCAAATTCAGCTCTCA
AGGCCAAATCTTTTCTAAATTTAACCAAGAACTTCATCAGTTCACAGAGAAAGTAATCCA
GGACCGGAAGGAGTCTCTTAAGGATAAGCTAAACAAGATACTACTCAGAAAAGGCGCTG
GGATTTTCTGGACATACTTTGAGTGCCAAAAGCGAAAACACCAAGATTCTCTGAAGC
AGATCTCCAGGCTGAAGTGAAAACGTTTATGTTTGCAGGACATGACACCACATCCAGTGC
TATCTCCTGGATCCTTTACTGCTTGCCAAAGTACCTT

Sequence 2061

CCTCTGACAGAAAAGGATGAAGTCAAGGGCCTGGTAGAGGCACCACTAAGAAAGGCATCT
GAAAGGACCAAGAGAGTGACCAGCAAGCATTTTTTACAAGGCTGANGAGCTANAGCTTC
CATGAAAGGCTGGACCACCAAGTGGTGAAAAGCATCATCTGGGTTACCTTGTGCTGCCAT
AAACACACCACAGACTTGGTGACTTAAACCACAGATATTTATCTTCTCACAATCCTGGA
GGCTGGAAGTCTGCAATCACGGTGCCAGCNTGGTCAGGTTCTGGTGAGGGCCTCTTTCT
TCTACTGTGTGCTCTTTCTTGTGCATGGAGAGAGAGCATGAACAAGCCCTCTACTGT
CCCTCTTAGAAGGGCACTTAATCCATAATAAGGCATCCACCCTTCTGACCTCGGCTAAC

Table 2

CCTAGTTAAAGTACCTGCCCCGGGCGGNCCGTCTAGAACTAGNGGATCCCCCTNGCTGCNN
GGANTTGTINTCATAGCTTATCGATCCCCG

Sequence 2062

CCGCGGTGGCGGCCCGCCGGGCAGGTACAGGAAACCTCATACGACGGGTGCATGTTATC
CAGTGATCTTCCTTCCTTCAACAAATATGTATTGAACCCCTTCCATGTGCCAAGCC
CTGTGATATTAAATGACGATTAAATAGAGTGATCAATGCCATGATAGGCGGTGTGAAT
GCATTGCAGGGAGCTCTCCCTAGTTTAGAGGTCAGGGATGACTCCAGAGGATGGGACATT
TAACATTTAAGCTAAGATATTTATCAGATTATCTAGTTGAGAGTGGGGAGGAAGGTGGGA
GTTANAG

Sequence 2063

AGGTACAAGTTGCTTTATGCTGCGAGATAAGTCCTCTCTTAGGTTTGAGCTCCACCTT
TTCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTT
TGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTG
TGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACAT
CCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGA
GTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAAG
AAATGAAGCCAAGGAACA

Sequence 2064

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGTTTAAGCTTCTCTGACCAGGA
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TGAAAGCAGGTTTCTAACTATTTTTTGAAAATAAACTGAACCAGCAAGTAAGCAGGTTT
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AAATCTTAATAGGAGAGAATGCCACACCACCATGGTAAGCTTAAGAACTTTGGAAGACT
GAAGAAAAACACATACTGAAGTATTTGTAAAAGAAATAAAGGTGATTTCTACAGCTA
TTTTAAAA

Sequence 2065

CCGGGCAGGTACAGATCAAAAGCTTGCCCTAGTGAGGCAGCTGCAGGGGGATAAAGTTAG
CAGGAGGCCTCAAAGATCTTAAGTCAGGCCTGATGTTGAACCTTGCAGGGATTTCATCGC
TCTGGAATACGAATGTGGCAAAAAATCCCATTTGTGTCTAGTGGGGGCGAAAGAGAATAAC
AGGCAAGCAGCAAAATGCTTGTGAGCTTTCTCATAGGGTAGCTTTTCTTTAACACGTGTT
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GATGGTGAATCTACTGTATTACCTTTAGTGAGTGTTTCAGACGTGGCCAAACTATAAATA
TTAGTGTTTTTGGAATGGCCATGGAGAGCTAAAATGTGGCCATAAAGGTGCTCAGATTTA
CTGCCATAACTGGTAATCACATCTCTCCTGCAAAGTGCTCAAGATATCCAGGAAGTGAGT
GGGTATNANCCCTGGCTATNCATCTGNCCCTCATGTAATTAATAAACAGACAGCTNTT
TAAAAAAAAGGAAAGAAAAAA

Sequence 2066

AGGTACAAGTTGCTTTATGCTGCGAGATAAGTCCTCTCTTGTTTGAGCTCCACCTTT
TCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCC

Sequence 2067

CCGGGCAGGTACACAAAGGAAAAAAAAAAAAAAAAAGCAGAATCAGAGCTGAGTTCCCTTTA
AAAGCCAAACGCCTACATCTAGAAGGAGGCTCCCCTACCTGAGAGCCCTAGCCCTATTGG
GGTCCCACTGTGGAAACCCTCAGGTCTCAAGGTTAGTTACAGGGCAGCCAGGTAGGGTA
AGGCTGGCTGTAGGTGACTGGAGGATGGGCAACGTAGTAGTTGCTGAAGTTGCCATCACT
GACGTAAGGGGCCGGCTGGTAGTAACAGGTGACGTTGGTGGCACTGGGGATGATGTTTTG

Table 2

TTCCGCCAGCACACGCAAGGCCAGGAGGGAGATGAGGTTTCAGAGTCTGCCTGCGTTCATG
C

Sequence 2068

CCGGGCAGGTACCACTAAAGCAAAAAAGAAAACCTCTTAACAGCAGGACCTCTGATCTG
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GTCCTCTCTCAGTCCCCATTTCCAGGTGATCAAGCTTGGGCTTAGGGTAGTGGCAGTGTG
GCTTTAGCTGTGAGCCATCACCATGGAAGAGCAGGAGGTTTAGGGGCCCTTCATAACCTTT
CAAGTGTGGTTTCCGTTTGGAGTAGTTGAATATCTCCACCCACCCATGCCCTGAGAG
AAAGCCGGGAAGAGGGGCCACCATCGGGGGCTCAGCACCTGCAAGCCCAATGCTGAC

Sequence 2069

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGGCTGGTTTTAAGTTTATTTTACGGAA
CTTTTGATAAGAAATCTCAGATTAGACTTTTAAAAGCCTTTCAAGGGTCAGAAGTCAAAG
GAGGGCGAACATCAGACTTTGGCTGCAGTATCTAAAAATCTGCATGAATTTCTCTCTTCT
TGAGGTCCCCAATATATCTGGAGGTTCTGGCCATTTTCTGTAGGGGGATTCCCCTGGG
TCTGTGCCACTCCTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTC
ACACTATGTCACTGATGAATCCTTATGTGTCCACCTGGATGTTCCGG

Sequence 2070

AGGTACCCATTAACCATCCCCACCTCCTCGCTCCAAATGGCCAACTCTAACTCCCACCTT
CCTCCCCACTCTCAACTAGATAATCTGATAAATATCTTAGCTTAAATGTTAAATGTCCCA
TCCTCTGGAGTCATCCCTGACCTCTAAACTAGGGAGAGCTCCCTGCAATGCATTACACC
GCCTATCATGGCATTGATCACTCTATTTTAATCGTCATTTTAATATCACAGGGCTCGGCA
CATGGAAGGGGTTCAATACATATTTGTTGAAGGAAGGAAGGATCACTGGATAACATG
CACCCGTCGTATGAGGTTTCCTGTACCTGCCCG

Sequence 2071

AGGTACTTTTACAGCAACATTTAGACTAGTGTGTTGACCAACAACCTGGGCACCACGGTCAA
GCCAAGTTGGCATATAGAATTAGCCAGCAAACTTGGTATTCACAATCTGTCATTATAGTC
TTATCTATAAACCTAAGGTTTAGAGAAACGCTGGTCATTCTGAACAATTCCCTGTGAATG
CAGAGATCAAGGAGCCTCCCCTTAACTGGGTAGGCAGTGTGAAATACCTGCAGTGTGCTT
GACCTTACTGTTACCCCACTGGCAGCTGTTCCCTACAGCTTGGCTTCAGATATATAATATT
ACATTGGCTAACTTCAAAGAGCATTGTTTTCCAAGGATAGAGATGGTGATGGTGTATATT
AC

Sequence 2072

AGGTACAGCTGGCAAGAATCCAGGGCAACGTGGTTCCTCGCTCACGGTCCCGGAAATGT
CCAGGGAAGCAGGTCTGAGCCTGCTGCTGTTAGTGCATTCAGTCGCCTGCCTCAGTCTCT
CTGTAGAGCCTGGGGCTGGGTGCAGAGGAGGCGCACTCCTCCGCGGAAGCGTATTA
AACGTCACCCCTCCTCTCCCAAGCCCCTGCCAAAGATCACTGACAAGCTCTCATAGCAAA
TGAACAAGGAGGGAAAGCACCGCGCTCGCACGGCTTTGTCCGTGCTACAAAGCAGCCTGT
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Sequence 2073

AGGTACGCGGGGGCAGTGGGAAGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCT
CACCTAAGCCGCAGGGAGGTACACCCAACCTGGGAGATGAGGAAACAGCAACCCAGAGAGG
AGAATAACCCACACAGGATCATTTCTGTAAGGAGCAAGGCTGAAGAACCAGACCTGGAC
TTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAA
GGAATATTTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTAGA
GCCCTGGGAGCGATCTATGTTTAACACCATCTTACTAACCATTATTGCTATGGTGGTATA
CAC

Sequence 2074

CTCCCCGCGGTGGCGGCCCGCCCGGCGCAGGTNCAGCCTACCGAAAATACTTCAGGATAAT
CTTTNGATCCTTAACCTAATTACATCTGCAAAGACCCTTTTTCCAAATAATGCCACCTCC

Table 2

ACAGATTCTAGGCACAAGGATCTGGATATATCTTGTGTAAAGCCACCATTTCAGCTCACTA
CACTAGAAAAGAGGAAAAACAACGATGTAACAAGAGGCGCAGAAGAAAGAACAGATGC
AGCTTGTGTGGCAGTGGCCATCAAGGCAGGCTGGGGTAAAATTGTGTCAACAGAAGCCCC
AGATGGAACCTCAAGT

Sequence 2075

TAGGGCTTTTTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTNCATGTTTAGGGAGA
TGAANTGGGCTCCCTGCTNACAGCCCTCAGGGAGACTGTCTAGAGCCACTCCTTCATTCCG
TTGTCCTGCCACATTGCTAAGTGGGCCCTCTGGCTATGAGTATTACCTTCTTTTTTTTAC
TAGCTTTAGAGTTCTAAGATATATTGCAAAGTAATAATAAACAGTATAACTCTTTGGA
AAAGGTGTGGTTTTTGGAGCTGAGGTGTCAAGGAGGACATCCTATTTCTGAGGATTAAT
GAACTTACATCTTTCTTTAACCTTTAAATATAATTATGTTTGTCAATTGTTAGACTTTTT
TAAGGCTTGGTTTCCAGTAATTATGGTATGTAGTCTCCAGTCCAAACAACAGGCTCTGTA
CCT

Sequence 2076

CCGCGGTGGCGGCCCGAGGTACACTTCTGGAAATTTCTGAGTATTGGCAAAATGTAATA
TTGTTTAGAAAAGTATCAACTTTAAGAACACTAGATCGCTGCTATTCTCCCTGTATGCTC
TGATCATGTTACATTTAATATAAGTATGCTCTGTGCCCAATAAACAGTTTTTGT
TTTTTCTAATCAAGTTTACAGTCACACAAGTGGACTTACATCTTCTTCTTGGCATGGAT
GAACTATTTCCACAAGCCTCTGGATAATTTCTCCTCATTTAACCAATTACAGCACATCTT
GCCTGGGCTGTGGAGGTTGCATACACGTCANGAGCCTGAGCAACAAATCCATGATAGCA

Sequence 2077

CCGCGGTGGCGGCCCGGCCGAGGTACAGTCAGAAGGGCTGAATCCACGATGAATCAAC
ATTAAGAAAAGAAAGGTCACTGTGTATGAGATACTTTTCATGAATACACACACCTAAGTC
ACCCAGGAAAATCATCTCAGGAGCCTGTAGGATGTATACTTACAGCTTTCCAGCTGCAAC
TTGCATGTCTGTGTGCCATGGGGTATTTAGACAGATCCATGTTACATGCAACAGTTGTC
GTGATTCTGAGGGCATAACAGGACCGTGCCATTGGAGAAGAGGCGGATGAGCCTGTTTCCC
ACAGTGACTTCATGGAGGAAGGACTTCTTGGACTCCACAATGTAAGTATCTGGCACCCAG
AGGAACTCCACGAGGCGGGCATCCAGAGTGAAGCTCTTGTTCCTTCAAACACCAGCCGC
TGGTCCATCCAGCGCTGTCTGGAGGTATATGGTGGCTGTGTAGTCCATGTTACTCTTGAA
ATGCTAGAAATCTTGCAATGTCCAAAGTCAGCGCTATCTGTACCTTG

Sequence 2078

CCGCGGTGGCGGCCCGGCCGAGGTACACGGGAGTGTATGGCCTAGAACTCCCATCAT
ACCTGTGCACCAATTGAGGAGAGACATGGGTGGGAAATTGCAATAAAAAGACGGCCCA
CAGCAGGCTGCATTCCCATGGCTGGCCAGAGGAGGAACGCTTTGTGTTCTCATCGGAGCT
GCATGGGAAGTCTGCATACAGCAAAGTGACCTGCATGCCCTACCTTATGGAAAGGATGGT
GGGCTCTGGCCTCCTGTGGCTGGCCTTGGTCTCCTGCATTCTGACCCANGCATCTGCAGT
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CAATCTCTTCAAAGAGCCTAATCAGAAATTNCTCTGAAAGGGCAGTGGGAGCCAGTTAAC
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Sequence 2079

CTCCACCGCGGTGGCGGCCCGGCCGAGGTACCAAATGAAGTGTGAAGACAAGGCCAT
CCACCACTTTATAGAGGGTGTAAAAATAAACAGAAATCAAGGGAGAAAGAAAAGATGAA
AGACAACTGCAAAAAATTGCCAAATGCGACTTTCTAAAAATGGAGCAGATTCTGAGGC
TTTGCATGTCTTGGCATTCTTTCAGGAGCTGAATGAAAAATGCAACAAGCAGATGAAGA
CTCTGAGAGGGGTTTGGAGTCTGGAAGCCTCATCCCTTCAGCATCAAGCTGGAATGGGGA
ATGAAGAATAGAGATGTGGTGCCCACTAGGCTACTGCTGAAAGGGAGCTGAAATTCCTCC
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Table 2

GGCCATACCACT

Sequence 2080

CCGCGGTGGCGGCCGCCCGGGCAGGTACTATTCCCTCCCTTATTCAAGACTTTGCTTAA
TGTCACCTGTGTAATGGAATCTTTCCAATTTGTCAATTTGTCCATTAGACAAATAGAT
CAATAGTTCACTGATCTATTCCAGTGCTGATAACAATACCTGGCATTAGAGTAGATGGTC
AATGAATATGTGTTGAATGAATAAATGAGCAACGTGGGTGAGCCACCCCATGAAGTTAGC
TGGAGGTTTTACAACATCAACAGAGTGAGGTAAGAGCACGGGAGACAAGCCACCATGGTC
ACTGTAAACCAGGCTGCCAACTGATTTCAATTACTGCTTACAAGGAGGAAAGAACAAGG
ATCCCATGTGGTGCCTAGGAAAGTCAACAAAGTTAATAAAAGCAGAGTTTTCTAGAGCCT
GAGGATCAAGTATCCAGTAGGAAAGCTGCCCTTTACT

Sequence 2081

GGGCTTTTTGGAACCTCCCCGCGGTGGCGGCCCGAGGTACTGCTTTAATGAGCAGCAACC
TTCTTTCACCTGGCANTTNNAGGCGTTCAAGTGAGGGCTGGCCTGCCCTGCNTGCTTCA
GAGACCACTGCGTTTCTTAGAAGGGAAACAACGGGGCCGGGCGCGGTGGCTCATGCCTGT
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TCACGAGGTTTGGAGTTCGAGATCTGCCTGGCCCATATAAGTGAAACCCTGTCTCTACTA
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TGACTTNGAGGGAAGGCTGCCCATTTGGGAAATAAAAACTCCACAGATCCTTTTTCACT
AAAAAAGAAAAGCCNGCCCGGNGCANTNACCTCACGCNTNTAATCCCANGCANTTTGT
NGGAAGGCNCAAAACAAGGAGAATCTCNANTTTNAANACCAGCCTTGGGCAACANANCAA
NAACCCCNACCTTTTACCAAAAAATATNTTTGGG

Sequence 2082

CCGCGGTGGCGGCCGCCCGGGCAGGTACAGTCACACATCACTTAGCAATGGGCATATATTA
TGAGGAATGGGTCAATAGGCAATTTTGTATTGTGTGAACATCATGGAGTATACTTACAC
AAACCTAGATGATAAAGCCTACTGCACATCTAGGTTACAACTTGACCTCGGCCCCGCTC
TAGAACTA

Sequence 2083

CGACTACTATAGGGTNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCAGGGAACAA
ATGCTACTGGGACTCCTNACCTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCT
CTGTTTTGGTCTGGAGACCCAGCTGGGGTATCTCCTGAGCCAGGGATTCAAAGGTTCCG
TGGCAGAAATATGCATCCACGGGACTCTCACTCACTCACCATTTTCTGTAGGGGGATT
CCCTGGGTCTGTGCCACTCCTGGGTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATC
CGAAGGTCACACTATGTCACTGATGAATCCTTATGTGTCCACCTGGGATGTTTCCGGTTG
AAGAAGCTAGTGTCTCACCCTCCTTCTGCNTATTTGTGAAGAAGTGGCACACAACCTA
TCCTGGCTTTCTAAGT

Sequence 2084

CCGGGCAGGTACTAGAATTTAGTTGGAAGAATAAGACATTTACTTCTAATCTGATTTAA
AAAAACCAGATGGGTAGTATTTGAATACAGCCAGTGTTTTAAATGTAAAAGAAAATGTTT
AATCTGGTATTTCTAGAGTTGAGTCATGCATTACAGGCAATGGGATAAAAGTGAATAATT
ATAGTAGTCCTGTGGGGACAGCTGTAAGAGAGATGGGCACCACAGCTTGCCACAGTGGGC
AGGACTGTTCTAGTTTTGAGTGGAACCAAGAGATTTGGGAAGGATTGCAAAAGAAGGA
TAAATTATCGAGGGCCTCCAGGGAGGGTGCCTGGCCTCATCACTTCTCAAAGCTGGGA
GGGCAGCCATTNATT

Sequence 2085

NCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGGTGC
AGGGCAGTCAGACTGGAACCATGGAGCTCAGCGTCTCCTCTTCTTGCCTCCTCACAG
GCCTCTTGCTACTCCTGGTTCAGCGTCACCCTAACTCCCATGGCACCCCTCCACAGGGC
CCCGCCCTCTGCCCCCTTTGGGGAACCTTCTGCAGATGGACAGAAGAGGCCTACTCAAAT

Table 2

CCTTTCTGAGGGAGTGGATCTGATTGCCGTCATCAATAATACCTTTGACCAAGGGACTC
CAATCAATTCAGCATGCTTTGCCTAATGCCTTTTGTGTAATACTGTTGCGGGACAATC
AAAGACTGGGAGAGACCAAGGGAAAAAAAAAAAAAAAAAGTCCCTGCCCGGGGCGGCCCG
CTCTAAGAACTAGTGGGA

Sequence 2086

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAACGCAGAGCAGGTCCCT
GAGTTGGGAGCCAGTGGCCCTGAGCAATAGCACGAGGCCTGTTGTCTACCAAGTGCAGTT
TAAATACACCGACAGTAAATGGTTCACGGCCGAGGTACTTCAGTTCGAAATGCAAGAAAT
CACCCACCTTTCTGGGTTTGGTCTTCGCTGGGAGCTTGCAGATGGGAGCTGTTCTTATTT
GGCCATCTTCAGAATGTTTTAAATAAATAAAACAAATGCCATTTCAAGCACTTGCCTA
CCTTTGTTGCGGGCCCTGCCAGCTGGAACCTAGACCACTGCTTACCCCGACTTGCCCAT
CATTNATCCCCAGTATTTTCAGGCATCTTATTGTCANAANTGGGTCTAAGACTCTTTTA
T

Sequence 2087

TACTGATCAAAACANTACAGTTATTTCTNNTGTATGAGGTTTTTTATTAGACCAAATTT
TAATCCCAGTCTGCCACTTTTTCATAAAGTAGAAAACAGCTCAGATGAGTAGAAAGTTAG
ACTCAAAGTGAGGGGTTTGTAAACCACATAAAAAGTAATAACGATAGAAGGTTTTAT
GCCCCGTAGGTATATAAATCTGGTGAGTGTGATTTTTAATTTCACTGAATGTTCACTCCC
CACAATAAATACGTTTTTATACCTTTCAAGATATCTTCAAAGTTTCTGATAGTTAAAAAA
ATCATTTTACAAAGGCTGCCTTCTTAAATGGAATGTGTTTGCAAAACAGTTTACCTTC
TNGAGCCCTTCCAAAAAGGGTGGCCTCAAAGGGCTTCAG

Sequence 2088

GGGAAAGAATAGAAGGAGGAGTTGAATCTGTAATTGACTGAGCAATCAGTTGAGATAACT
CACTGCCTCCACATAACCTTGGGCTGTCTATGAGTCAGTGGAGAGCAACCCCTCTCATG
TAGGTTCAAGTCTGAGGTTAGCTCACTGNCACTGGGAAAGTTGATCAGGGTAGTCCCATC
TCATGCACAGCCCCATTTCCCATGAGCCGCTAGAGTGGCTCGTATCAGAAAGATGCCAT
ACCAAATGCTGGCAAGGACCTGGAGCAACTAGAATGCATGTGCATTTACCTTGTCTGAC
AGCCACTTTAGAGAACCTCTTTTGGGCTGTTCTTATTAAAGCTAAACATTAATCTTTCC
CCAAAATAACATNGGG

Sequence 2089

CCGGNCAGGTACGTGGGCTTTACGTAAAGAAATTGTGCCATTTTTTCAAGCCAGATATAG
CTTCTGTATCAACAAATGGAACACAAATCTTAGTCTAGGACTTAGGGTTGGGGAAAAAG
GGAAAAACAACATAACACTTAAATGAAATCTTTGTATCTTANGGTTTGTGACCAGAG
TATTATATATATCTAATGCTACTAAAATTATGATGTTATCGAATATTCAAGTTAATTC
AATAAGTGGTGGTTATCTGTAGTAATCATAGAGAAAGGAACTATTACTATGAGGGACCTG
CGGGTACCTCCGGCCCGCTTCTAGAACTAGTGGGATCCCCCGGGCCTGCAGGGAATTTG
GNATATCAAGCTTATTTCGNATACCCGTCGGAC

Sequence 2090

CCGGCGAATTNTNCTCCNCGCGGCGGCGGCCCGGGCAGGTNNACATAAATAATGAT
TGAGTTTGTGTGTTNNTGTATACGTGTGAGTGTGTGCGTGTGTGTGTAATAAATAGA
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ATGAATTAATTGATTTATTAAGACCCCATCTTGTTCCAAGAAATAATTTAAGGCAGCTCA
GTCTACCAATCTTCATAAAATATAACTTATAATTTGTGAGGAATTCCTTATATTTTAGC
TCTTTTCGATCCTTAAAAATATTTCCAAATAAAGGAGATCTATTACAACATGAGGTTCCCT
GCNAAGAGTGAACCTAAAGTCTTACTCATTTCTCATGTTCCACATAGAATCACCGAAATG
T

Sequence 2091

AGGTACCACCTGCTGTATCCTTCCCCACCTCATCACCCCCAAAGCCATTTAGTGCCAAAT
GCTACAGTAAAAACCAATGCATTTACATAAAATAATGCCTAACTGCATATTTACATTTT

Table 2

TTAGGAAAAAATCCCATTAAGGCTCTTCTAGGAAAAGGTTATGGGCNAGGGAAAAAGG
TAAAGGGGACCCCAAGGGCTTANTGGAGGCCAAAGNCNCATTATTGGTGGGGAAAAANCT
TTNAAAAGGTTAAGNATTGGAAGGCCAACNTTGAAGGTTTNTCCTTCCCAATNAAGGNN
TTGGGGNANAAAAAAGGCCCCACCAACCTTGAAGGCCNCCCAACCTTNTCTTTNCC
CTTGTTGGANGGGGCNANANGNAATTGGAAGGNAACCCCTTTCCCTTTTTTTAATT
AACCCCNCTTNGTTTTGGGAAGNAAATTTTNTTCCAAGGNGGTTGGGGGAACCAAAAN
CCNGNTTGAACCTTTGGCNAATTTGGAAGGCTTGGNTTTTNGGAAAAAAGGGGGCCANG
GTCTTTTGGCCCCGTGGCCTTTTAAAGNNTTTAATTNCAACCNCC

Sequence 2092

TTAGGGCGAATTGGAGCTCTCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAG
ACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAGGCTTCTGGCTCTTGA
CAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTC
TCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTC
TGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACA
AGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCCGAGGAACAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACATTCAGTCTGAGCATCCTATGA
AATACACCACTGAGGAAATTCCTTGAAA

Sequence 2093

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCTCTCTTGGTTTNAAGCTCCACCTTT
TCAGTGAACCTTTACATTTTGGGGGATCTACTCTTGTAAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCATGTG
GTGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAAGTGACATAGTGTGACCTTCGGATCACGGAGAAGA
GTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAAG
AAAATGGTGAAGTGAGTGAGAGTCCCGTGGGATGTATATTTCTGCCACGAACC

Sequence 2094

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCAGTGGG
AAGCTCGCAGCAGCTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGAGGGAGAT
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CATTTCCGAAGGAGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTACT
GCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCT
ACTATCAATACCAAAATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGT
TTAACACCATTCTACTAACCATTATTGCTATGGTGGTATACACTGCCTATGTCTTTATTC
CAATCCACATTTCGCTGGCTTGGGAATTTTTTC

Sequence 2095

CCGCGGTGGCGGCCGAGGTACTGTCCAACCTGGATGCTGCCCTGGTGGCTGAAGGCACACT
TCATGATGCTGTCCAGGGTCATCAGGGAGACATGTTGAAAGAGCTCCAGACGTGAGTTTT
GGGCAATGTGTTCTCCCATTTGTTGAGCATCATCCGAACACTCTCAGACATCATGGGTG
ATGAATATTTTCAGAATGCTGATGTTGAAAGCCAGGTTTCACAATCTGGTGGTGCTTTTT
CCATTTAGAACCATCCAGGGTCACAAGTCCTCGACCAACCCAGGATTCAGGATTTTGTG
GCTAACAGCACTTTTGGGATCCTGTCTTTTACAGGAGAATCTTGGCATAAGTCTGGGTCAT
GGACACTGAAGAACATCGTAAAGGGTCCAACCCACAAGGGAACAGCACATGGGTATTTTT
CCATCA

Sequence 2096

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCGGAGT
TTGCCGAGGCCAGTAAGTCCAACAGCCGGAACGGGGCTGGGAACAGGTCTAGCACCAGC
AGCATAGATTCCAACATTAGCAGCAAGTCCGAGGCCCTGCCAGTGCCCAAACTGAGGGAG
CCTTCCAAAAACAAGCCCTAAGGCAGCTCTACCAGGGTCTGGGTCAACCAAAACAGACA
AGGGAGAAAGGCATCTCATCATGACAACGAGAGTTGTGGCTTCTCTGTAACCTCGGGTGAA

Table 2

AGTGAATCCGGCAGCCCAGCCTGTGTCCAGTCCGGCTCAGACCAGTCTCCAGCCTGGAGC
CAAGTACCTCGGCCGAGGTACTGAAAAGGGAGGCATTTGGTCACCATTACCCATCAAGGG
AACTCTTTACAAGGATAGGTTCCAAGTCCTTCGTGCTGCTCTT

Sequence 2097

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTTTTTTTCTT
TTTTTTTTCTTTGCGTATTTCCCGTCTACCCTCCCCAAACAAAGCCATTTAGAGACAGA
TGGACCAGACCTTCCGCAATCTCAGTGAGCCCATGAGCATCCCAGACTGAACAGAAATTC
AGCTGTAGACCTAGCAGATGTTTATTATCCTCCCTCCTTCTTTTGTGTTTTTCACACAC
CTCTGTGCTGGAAGAGCCACCTGGTATATTAACCTACACAGATACTTGAATTTTCT
GTCCTTTTAACCTAGCAAAGAAAGGAGTTGTAAACATAAAGACTTCTTTTTTTAACTTT
TAAATAAATGAAATCGGCTGGGCATGGTGACTCATGCCTGTAATCCTAGCACTTTGGGA
GGCTGAGGCGGGGGGATCGCTTGAGGT

Sequence 2098

CCGGGCAGGTACCAACAGCTAGCGGTAGCCCTGGACTCCAGCTATGTAACAAACAAACAA
CTCAATATCACGATAGAGAAATTGAAACAACAGAACCAAGAAATTACGGATCAGTTGGAA
GAAGAAAAGAAAGAATGCCACCAAAAGCAGGGAGCCCTAAGGGAGCAGTTACAGGTCCAC
ATTCAGACCATAGGGATCCTCGTATCAGAGAAAGCTGAGTTACAGACAGCCCTGGCTCAC
ACTCAGCATGCTGCCAGGCAGAAAGAAGGAGAGTCTGAAGATCTGGCCAGCCGCCTGCAG
TATCCCGGCGGCGTGTGGGAGAGTTGGAGCGGGCT

Sequence 2099

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTTTTAGTACTANCACA
CTTCTCTTCAATTCTAATTTGAAGCTCCTAGTTGCAGTGGGCTTGGGAGCCAGATAACA
AAAAAGTTGTATTAAATGTATGAAATATAAGGATGAATAAGGTTGAGGGAACTCTAAA
GCTATTTTTTTTGTANAAAAATCTGTTTACATTATGGATACNCTGACTTGCCANAAATC
TATGATTCTAAACAGATATTAATATGTGTGTGCATTTTTTAAAGTAATAAGCAATTTTT
TCTGTTCAACAATTGGATAATTAATGAAAAGATTACAAAATGAATATTTCANATAAAATA
AT

Sequence 2100

CCGGGCAGGTACCGGAGTTTGCCGAGGCCAGTAAGTCCAACAGCCGGAACGGGGCTGGG
AACAGGTCTAGCACCAGCAGCATAGATTCCAACATTAGCAGCAAGTCCGAGGCCTGCCA
GTGCCCAAACAGGAGGAGCCTTCCAAAACAGCCCTAGGCAGCTCTCTACCAGGTCTGGTC
AACCAACAGACAAGGAGAAAGGCATCTCATCAGACAACGAGAGTGTGGCTTCTGTAAAC
TCGGTGAAAGTGAATCCGGCAGCCAGCCTGTGTCCAGTCCGGCTCANACCAGTCTCCAG
CCTGGAGCCAAGTACCTCGGCCGAGGTACTGAAAAGGGAGGCATTTGGTCACCATTACCC
A

Sequence 2101

AGGTACTTAAACATGATGAGAAAGGCAATGAGAAAGACAACTTCATGCTTTTCCCCATA
AAAAAAAAAAGAAAGAAAAACAAACAGCAACAACAAATTGTCACAGATATCAAAGACT
ATTTCTGGCAACATAATCCTGAACTTATTTAAATGCTGGTAGCTTATTCAACAGTTCA
AGAATAAGAAAAGAGGGTTGCACAAGATGGCCGAATAGGAACAGCTCCGATCTACAGCTC
CCAGCATGAGTGACGCAGAAAGACGGGTATTTATGCATTTCCAAGTACAGGTTCA
CCTCACTGGGGAGTGCCAGACAGTAGGTGCAAGACAGTGGGTGCAGCCTACCGTGCGCGA
GCCGAAGCAGGGTGA

Sequence 2102

CCGGGCAGGTACTCGGGGGCAGTGGGAAGCTCGCAACAGCTGGGGAGGAGCCAAANCCTC
GNCTCTACCTAAGCCNCAAGGAGATACCCCAACTGGNANATGAGGAAACAGCNACCCA
GAGAGGAGAACTAACCCACACAGGATCATTTNNGAANGAGCAAGGCTGNAGAACCANAC
CTGGACTTTCTTAGGACAACTTACTGCATCTTGAAGGAGCCAACTCATGGATTNGAGGC
NTGTGAAGGAATATTNCTCCTGGCTCTACTATNAATACCAAATCATTANCTGCTGTGCTG

Table 2

TTTTAGAGCCCTGGGAGCGATCTATGTTTAAACCCATCTTACTAACCATTAT

Sequence 2103

AGGACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTTT
CAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTG
ATTACTTGAGAAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTG
TGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATCC
AGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAGT
GGGACAGATCAGCCATTCACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAAGAA
A

Sequence 2104

CCCAGGTGCTACAGCATCAGCTTCCCTTGCCGCTTCTGCGGCTGAAGGGATGGTCCGAC
CAAAGCCTCCTGCCCTGGGGCAGCCGATGCCACTGCATGCTTTTCTGCGCTTGGGCTT
CACGGTGCCACGGATATTGGCCGGCTTGCTGCGCTTGAGCGTAGGGTAATGTACCTCGG
CCGCCCCGGGCAGGTACGCGGGGAGCCAAGATGGTTGCCCCCGCAGTGAAGGTTGCCCGAG
GATGGTCGGGCCTGGCGTTGGGCGTGCGGCGGGCTGTCTTGACGCTTCCAGGGCTAACTC
AGGTGAGATGGAGCCGCTATAGTCCTGAATTCAAGGATCCCTTGATTGACAAGGAATATT
A

Sequence 2105

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGAATAAGCTTACTTTAATANATCCA
GGGGACTGTTTAATGCACTGAANAATTATTTTTCAGGCATTCTGTGATGTCCAAATTAGG
TTAATATACCTCTGANAAGTGAATCAGCTACTCCTCGTTGGATAGTAAGGTCANAACAAC
TGTTCTTGAAACCTTAGTACACACTAGCTGATAANACACTGTTGCCATAATGTCTATTT
ATTGGATCAGCAATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACACAGCTGCAA
AAATATACCATAGCTTGCAGGTGATCATTGGTTT

Sequence 2106

CCGGGCAGGTACCATTATGAAGAGTATGCCAATTTTATTAAGGTCCCACAAACTCAGTGT
TACCTGACTTAAGGTATTTTCTCTCTAAAGAAATAAGGGCATAAATATATTGTTCTTAAA
TATCTTAAATTAATGTTCTAATGTGGGAAAAGCCATCTTTCTGTGACACTCTCTGCCT
CTCTTTCTTCTCTCCCTTCTCTCTCACACACCTATATGCACACACACTCCACACTCAC
AAAAGCATATAATTCCAACAAAACAAGGCAAAATATTGACCAAACTGAATAACATTC
ACTGGACCAACCTTATAAAGCAGTGGCAATTTTCTAATTTTCAGGAGTGGCATCTGATTT
GTTACGTTTTTTATTTTCTAATCCTTTTTTAAATCATCTGCCATTCCATAACTCACATCG
ATGACTTCAGCCTTGAGAGTTCTTTGGCAGAATAGGCTGCATATGAATAGAGCAGGTCT
TGGCTGCTATCTTTCTGGCTTCTTCACTGCAAGGCTGGCCATTAGGAT

Sequence 2107

ACTATAGGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCATTATGA
AGAGTATGCCAATTTTATTAAGGTCCCACAAACTCAGTGTTACCTGACTTAAGGTATTTT
CTCTCTAAAGAAATAAGGGCATAAATATATTGTTCTTAAATATCTTAAATTAATGTTT
TAATGTGGAAAAGCCATCTTTCTGTGACACTCTCTGCCTCTCTTTCTTCTCTCCCTTC
TCTCTCACACACCTATATGCACACACACTCCACACTCACAAAAGCATATAATTCCAACAA
AACAAGGCAAAATATTGACCAAACTGAATAACATTCAGTGGACCAACCTTATAAAGC
AAGTGGCAATTTTCTAATTTTCAGGAGTGCGATCTGATTTGTTACGTTTTTTATTTCTT
AATCCTTTTTTAAATCATCTGCCATTCCATAACTCACATCGATGACTTCAGCCTTGAGAGT
TCCTTTGGCAGAATAGGCTGCATATGAATAGAGCAGGTCTTGGCTGCTATCTTTCTGGC
TTCTTCACTGCAAGGCTGGCCATTAGGATGA

Sequence 2108

CGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCT
TTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCT
TTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGT

Table 2

GTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACA
TCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAG
AGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCTACAA
GAAATGAAGCCAAGGAACACCATCTGAAGTTCTGACGGCAACATCAGAAGCTAAGAGAA
AGGCATGGAAAAGATTCTCACCTAGAGCATCCAGAGGAGAGGTTGGTCCTGCANACACCT
TGTTTTCTGACCTCTGACCTCCACAACCTGTGAGGGAAAGAAATTTCTGTTGCTTAAAGAC
ACACAGCTTGTTGGTACACCCACTTGAAC

Sequence 2109

CCCCGCGGTGGCGGCCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCCCTCTTG
GTTTGAGCTCCACCTTTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGG
ACATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTG
ACTAGAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAG
CTCTTCAACCGGAACATCCANGTGACACATAAGGATTCATCAGTGACATAGTGTGACCT
TCGGATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGCGGCCAGACCCAGG
GGAATCCCCCTACAAGAAAATGAAGCCAAGGAACACCATCTGAAGTTCTGACGGCAACAT
CAGAAGCTAANAGAAAGGCATGAAAAGATTCTCACCTAGAGCATCCANAGGAGAGGTTG
GTCCTGCAGACACCTTGTTTTCTGACCTCTGACCTTCGCAACTGTGAGGGAAAGAAATTC
TGTTGCTTAAAGACACACAGCTTGTTGGTACCTGCCCGGNCGG

Sequence 2110

CGCGTAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTA
CCCAGATCACAGACAATCCAAATATCAGAACTAGGGGGCTGGGCAGAGAGGACAAATCAT
CTATTAGGGAGTGGGACAGAAAGTGGAACATTACAAAGGAGCAAGTAGGCTCAGAACAG
AGGGGAGAGTAATACTGGGGAACTCCCTACTGAGGACAGGTTTGCCACAGTGGATATGT
ATGTGATGCTTTTGTCTCATGGGCTGGAATGGAAGCTGATAAAGAAGTTCAGACGCTAC
GTGTTGCTTAGGTCTGCTTTGTTGAAGCATGTCTCTTTTCAGAGTTCCTAAACACAATATT
CCCGTGGCATCTAATCCCAGTGAGTGCTCCAAATCCAGGCTGTGTATCAGAT

Sequence 2111

AGGTACCACACACCCTCCACTACTCATCACCAGACAGGGAACCCTGGCTTGGGCCACAG
CACAGACCCTCCATCCTGGGCCGATTACACTAAGTGATTGCTAACTCACATGTCTCTGGG
ATGGAGCACCCAGGAGACAAGCAAAAGTGTTGGAGCAGCAAGTCAGGTGATGTGGAGCCCA
GAGGGCTGGGACAGCTATCTCTTAGGGTCTACTTGCCCTTGTGAGACACTTTATCCAG
CACTTTAGGAATGCTGAGGTCATACCAGCCACATCTCATGTGCAAGATTGCCAGCAGAG
ATCAGGTCCAAGAGTTCTGTGTTTTAAAAAAGGGGACTTGCTTAATAAAAAAGAAGT

Sequence 2112

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTATGGAGTCTTTAANATTATCTCT
ATGTTGGCTGGCTGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCAAAGCGG
GAGGCCAACACTGGGGCTACCCAAGAGTTGACCAAAGGTGATATTAATACATATGCTTAC
TTATTACCTTGTTGACACAGTTCTAGTGAAGTCTTGAAAATCAAGTAAATTTGGAAACA
TAGTTGCACAACTCTCTCATGAGTCACACAGTTAATCCAGAATATTATTTCTAAGTTAT
CATAAAGCCAACAAGCA

Sequence 2113

AGGTACAGAAAAACCTTTAGGCTGAACCTTAAATATGTAAGCAGAGAGCTTTAGGCTGAA
CTTGATTAAACATGGTTTTATTTGTTTTTAAACAATAGAGGCCATGATGACTGTTTAGG
CTGAGTAATGGAGGCCTCTGCTCCAAGGGCAGGCTGCTTTTCAAACAGTTGCCATCTCAG
TAATTTTTATCCATTTGCATCTCACAACATCACAAGACAGGTTTACATAAAAGTCCAGGT
TACCCTGCAGGCTGCGTGGAACCTTTGATTTTAGGTTGATACTGGAGAGAAGGTCCGAG
AAGAAGCCATCCTTAACAGGAAATACATTAATAAAATTTCTTGAAACTGGT

Sequence 2114

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCTCTCTTGTTTGAGCTCCACCTTT

Table 2

TCAGTGAACCTCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAA
GTGAGACAGATCAACCATTCACCCAGNAGTGGCACAGACCCAGGGGAATCCCC

Sequence 2115

GCTCCCTGTGCTTCATCTAATACTAACATGGAGAGACTNCAGAGATCATCTTATTCTCCT
CATTGCTAAGTTTCTAAATACTTGCCATAGAAAAGAGAAAAGATAATTTAAGTGAGCAG
AAAAATAATAAGCAGTGTTGGCTCTGAAATCCATACTTGTTTGCTTTTATCTNTTGACC
TGCTCTTGCTATGATTCTTTAAGCCCTACTGAGGATATTNAGTTATTAATATTTCTAAC
CCAGTGTTCAACTCTGACTTCTCTACTGACAACTCTACAGAAGAAAAGGTCAAAGTTA
ACACCAGCTCAATATTAATCATGGGGACTGTAGCTCCAGAAAAGTGGAGTTAATAAGAT
GATCCA

Sequence 2116

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTGGCTGA
GCCAGTGGTCACCTTAATTTAATAAACTCTCCTGAACCTTTTTTGGTCTCTCCAGTCTTT
GATTGNCCCGCAACAGTATTACAAACAAAAGGCATTAGGCAAAGCATGCTGAATTGATTG
GAGTCCCCTGGTCAAAGGTATTATTGATTGACGGCAATCAGATCCACTCCCTCAAAAAGG
ATTTGAGTAGGCCTNTTCTGTCCATCTGCANAAGGTTCCCCAAAAGGGGCAGAGGGCGGG
GCCCTGGTGGGAG

Sequence 2117

AGGTACCACCATTTGTTTTCAATTTGTCCAAAAGCCCCTGCTCGTTCAGTTTTAACT
GCCAGGTTTACTGGATTCTTTAAAAACGAATAAATAACACTCGATGAGTAACAGGTGGA
GAACACTCAGCAAGTCACGTGACCCAAGGGATCGGTGAATCAGCTCCATTACCCAGCCTG
CCAGGTTGCCCTTTGACCTGAGGATGCCCTGCCCCCAACACCACTGCAGGAATTGGGGGA
TGGAGCCAAGGCATAGTCTCCATCATTGACTCCCATATTGGAGAGGCGTCATTGTAACCT
AAGTTTTCAGAAGTTGGGTATTTGAAAGCAATGCCCCCAATAGTTTTCCCTCCTGTCT
GCTTTATAGATTTCTT

Sequence 2118

CCGGGCAGGTACAGCCTACCGAAAATACTCCAGGATAATCTCAAGATCCTTAACCTAATT
ACATCTGCAAAGACCCCTTTTTCCAAATAATGCCACCTCCACAGATTCTAGGCACAAGGAT
CTGGATATATCTTGTGTAAAGCCACCATTGAGTCACTACACTAGAAAGAGGAAAAACAA
CAACGATGTAACAAGAGGCGCAGAAGAAAGAACAGATGCAGCTTGTGTGGCAGTGCCCAT
CAAGGCAGGCTGGGGTAAACTGTGTCAACAGAAGCCCCAGATGGAACCTCAAGT

Sequence 2119

AGGACCGCACCATGTATTAAGAGACTATTATTTAATTGCAGTGGCATATTTGTGCAAA
ATCAAATGACTATGAATGGGAGTTTATTCTGGACTCTATTCTGTTCCATTGTCTATATGT
GTATCTTTATAGCAGGACCAACACTTGTGTTACCATATAGATTTATAGTATGTTTTGA
GATTAGATAAGTTTAAGTCCTGCAGCTTCATACTTTTTCAGAGTTGTTTCACTATTCTTG
GTATTTTATACTTTTATATATATTTTAGGACCAATTTCTAGAAAAAGATTACGATGGCAT
TTAGGTAGATCAGTGTAGGGAGAATTGACGTCTTAGTAATATT

Sequence 2120

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTT
TCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACGCTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAGCCATT

Sequence 2121

Table 2

TCGGCTCCCAGCTACTCACAGAGAACGTTTCTGTTTCTGACAGCAGAGTAAGAGAGGAGG
TGAGAAGAGAGACAGCCCATTCTCTTTTGGCCTAATTCCTAAGGAATCATGCCTCTGCCT
TCGGGCCATTCTCAAGTCTTGTTCAAGGATAAAATGATTTATTGATGGCCGTAATTAAAA
AGCAATGCCAACGGAAGCAGCGTCAGCATTITTCATTTATACCTCGGCCGCCCCGGGCAGG
TACGCGGGGAGCGCTCCCCGCGAAGGACCGGAAAGGAGCGCCTACTAAGGACGCCGTCGA
GGTCCGGGGCGCCTNAACTCTATAGCTCTAACTG

Sequence 2122

AGGTACTTTAAATTTGATACCTTTCTCTAGGTTTGGGAAGTTCTCTGTTATTATTTTATT
GAATAAATTTCTACCCAATCTCTCTCTATTTTCTCTTTAAGAACAATTACTTGGATTG
CCCTTTTGAAGGCTAATTTCTAGGTCTTATAGGCATGCTTTGTTGTTTTTATTCTCTCTT
TTTTTGTCTTCTCTGACTGTGTATTTTCAAGTAGTCTATCTTCAAGCTCACTCAATCTT
TCTTCTGCTGGATCAAGCCTGGAATCGAGGGCCTCAAGGGCCCTTTTGGTGCTCTTCCTC
ACTGCGGCTGAGCTGGCACCTAAGCTCATCACAAAGTGCTCTTCTCTCTC

Sequence 2123

CCGCGGTGGCGGCCGCCGGGCAGGTACCAGCTGTGGTGAGGGTGTGCTGCCACTGCAGC
TGCTGTCTGGGCATCTGTGTTAGGGCCAACTTCAAGAAGTGAGTCATTGTGAAGTG
ACTGTAGGCAGCTGGGAAATAACAGCTGTGAACAGAAAAAAGACTGGAGGCGTGCTCTCT
GGAGGTCTGGGCATAGTGATGAGAGGCTGAGGAACAGAGAGGGAAAAAGAAAAATGCAATT
CTAAAATTAAAAAGAAAACCTTAATTTAAACCGTGATTTACAGATAATTCCCATGTGTGA
GAGACAGTATAGGAAACACTCCAAAGAGCTTGCGTTAAACAAAAATAAGTAAAT

Sequence 2124

AGGTACAGGGTGAAGGAGCTGCTTCTGTCTTGTTGCGATCCAAGTTGTAAATGTTAATGA
AGTCTTGTTTGACCTCAGGATATCCCAGAAGCTCCTGAGAGACTGATGACAGACACCATT
AATGAACCAATCTTGCTGTGTGCGATTTCTGTGGAGATCAAGTCCTTCTACATGCAGCGA
TGTCTGAGGATTCCCGTCTTACTGAATCTGTCAAGTTTCTGTTTCAAAGAGTATTAATAA
TTTTGCTTTTTTAAGGGGGTGGGGACTGTCATCTGGAATCAGGTACCTGCCCC

Sequence 2125

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTAAAAGTGCCCTGCTTATTGTTTTGTGCTA
CCTAGCATCCAGCCGCCCTTTAATTTTCAGGTTAGCGTGTGTTGTGTGGGTCCCAGTGG
ACTGGCCTTGTCGTTTCTGCTCACCTCAGGATAGTTATGGAATGTTTCATGACATANACTT
AGCCAATTCAATGTTCTTGCTCTANATTTTGAATACTGAAGGAGGAACAAAGTGAGGGA
CAGTTGAAGTGTTTACAGTGGTAAGGGCAATGATGTGGAGAGTCCANAGGTGAGGGCTGC
AGCAAGACTACAGTAGTGGAAGTGCTAATAATAGCAATGCACAA

Sequence 2126

CCGGGCAGGTACTGTGTGTGGATCAAGTGTCATGAGAACCCACATAACAGCATGGCTGAT
TCTGCTGAGGAAAGTCAGGGAATGTTTACAGCAGAGAGGACATTAGGTTAGGGCATGT
TGCCTAAGTAGGAGTTTCTCAGTTGAAGAAGATTGGAGGTGGAAGGGGAGGGAGGTAAAC
TTCTCAGGCAGAGGGAAAAGCAGGTGCAAAGGCAGGAAGTCTGTACCT

Sequence 2127

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTGGCTGTTTTTAAGTTATTTTGACGGAAC
TTTTGATAAGAAATCTCAGATTAGACTTTTAAAAGCCTTTCAAGGGTCAGAAGTCAAAGG
AGGGCGAACATCAGACTTTGGCTGCAGTATCTAAAAATCTGTATGAATTTCTCTCTCTT
GAGGTCTCCAATATATCTGGAGGTTCTGGCCATTTTCTGTAGGGGGATTCCCCTGGGT
CTGTGCCACTCCTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCA
CACTATGTCACTGATGAATCCTTATGTGTCCACCTGGATGTTCCGGTTG

Sequence 2128

CCGGGCAGGTACCTTTGCACCTGCATAATCCTGTGCCTGTTTAGATAGTCTGAGAGCTC
TCTCCTCTTTCTCCCTCTCTGGGAAATAAGAATGGCCCTAGGTTCCACAGAGTCTAAGGA
TAAATAACTGTTAAAGACATGAGTGTGTTAAGACATTTCAATCCAAACATAGCTGCATTG

Table 2

TTAAAAAAAAAAGTTGTTTTAAGACCTGCANGTAAGGAGCGTCCATCTGGAAAGGTAA
TGGGTTTGTGCGAGTAACCGGGATATGTTTACTACCGGTGCGTANAGGCGGAGGCATTCCCT
TGATGCACATTGTGGCGTAAGGCATCTGGCTCAGGTGTTCCAGGTAATAGAAGACCCAT

Sequence 2129

AGGTACTTCCAGCATGGGCTCTGTCCACCCTGCTCTCTGGGTCTACATCCAGCCCTTCAG
TTTTACTAGGCCAAATCTGAGGTGAGTCAACTGAGTTTGCAAATGTGCTTATTAGCAGG
TGTGGGATGTTCTACTACCTTCTTCAGAGCCACAGCATTCTGTTCTTCCCACATCATT
TCACTAAGGGTCTGACCAACTCATCTCCCAACCATTCAAGACACAGGAGAATTAAGTCA
GGCCTTCACACATGGAAGTCAGTCACAGTGCGTGGAGAAGGGAGGGCGGGAGGGGCTGA
ATGAGGAGTGGATGTGAGCAGGTCCCCTGGCAGCTCCAAACCCAGTAGACAAGAACAGC
TTCCAGTGC

Sequence 2130

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTT
TCAGTGAAGTCTTACATTTTGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGTAGTGT
GTGCCACTCTCACAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTNAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACANATCAACCATTACCCAGGAGTGGCACAAACCCAGGGGAATCCCC

Sequence 2131

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGGCGATGGTTTGCAAATCTTGACGT
TAAAAATCACCAGTGTTCATGTGTGTGGGAAATAAGAAGGCAGGGAGACAGAATGAAAA
GCCTGAGAAAACACAATAAGGCAGCTACCAGGAGGCAGCCTGAACGTGTCAGGGCCTGGG
CACGACACTTGCCCTTTCTTGAGGAGTGATTTGAAGCCATAGTGAAGACTGANCTCTA
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GTATCAACCATTTTAAATCTGCCCTCAAAAGCACANAACAAATNANACAGCATTTTGCTC
ACAGAGGAGAGGGTCTATGAGAACCAAATTCAGCTTCAGCACATGGCCTTGGGTACCTG
CCCC

Sequence 2132

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCAAGATTGAAGCCCCCTTAAC
ATTAGTTCAGTTCAAGTGTGGTTCCACTTGCCTGANCACAAGTTGGAAGTAGCTNTGTTAGGA
TTCTAGCCGGCATCCTTGCTGTCACTACTGGTTCTTGATAGTCAAGCCCCACTCTGTGC
ANAGCAAATCTTTGCTCANTTAAGCGAGCGTCANTCACTGGTAAGCTTGGCTGCCGGCCC
GGGGTTGTTAGGCTTTTCCATGCTACACCTGAATGAGATATTGACGAGACATTGCTACCT
AAACAGAGTTGAGAACTGGATAAATAAATAAATTAATTAATTTGTACAGGGCTGAGAG
AATAATTTTGAAGTGAACCTTACACTTCCAGTGCAGAAACAGATCAAGGGAAGTACCTC
GGCCGCCCGGGCAGGTACTTCTGTATAACCCATTTTCTCATTTGTAAATGAACTAACA
TGGTATGTTACTGCGAAAATTAATGAATNAATGTAANGTNCTCAATGCACAATCTGGCC
AGTAGGTGGCCTATATAAATATTTGGNA

Sequence 2133

CGCCCGGGCAGGTACCAACAAGCTGTGTGTCTTTAAGCAACAGAAATTTCTTCCCTCACAG
TTGCGGAGGTGAGAGGTGAGAAACANGGTGTCTGCAGGACCAACCTCTCCTCTGGATGC
TCTAGGTGAGAATCTTTCCATGCCTTTCTCTAGCTTCTGATGTTGCCGTCAGAACTTC
AGATGGAGTTCTTGGCTTCATTTTCTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCC
TGGGTGAATGGATGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACT
GATGAATCCTTA

Sequence 2134

NGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGATACAGTTTTTAAACCT
AAAGTTACTGGTGAACAAGCTTGCTATTACTGAGATGTATAATGAATGTCTTAAAGCTA

Table 2

TAAATCCACTCATCGTTGTGTTAAGGAGGAACTGAAGCACAATTGTTAAGAACAAGTGA
ATTAGGTGAATATACATTGACAAAAGGTTGATAATAAAGTTGTCAGAATTTCAAAAATAA
TTTAGTGTGACTTGAAATCTTAAATCATGTTATATTAATTAAGTAACACTTTACTGAT
TTAATATTGAGTCATTTCTAAGGAAAATACTGAAATATCAATTGCTTAACAGAAGTTTA
AAATATACGTAATTTGGCATCTTGGTTTCACATGTTATGGAAAAGCTAAACATATTTGGG
CCNGTTANTTAAAGGCATAAAAATTATTTTATGAGATGGTGTCTGCAAAATACTAAC
ATGATGCACTTCAAAATGCTNACTAATTTTCACTAGNAAATTAAGGTNCTAANAGTTAAT
TAAATTAATATTAGAGTAATNTAACTAGAAATATGAANGGGAACAAATCTGTCCTCGG
C

Sequence 2135

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTCATGGCAGAACCA
GCCCCCTCTGGGGACAGGGTCTAAGTTTAGAAGGAAACACCAGGANAGCGGTTAATTGACA
TTCCTTCAAATGCTGNTTCACACACCCAAAACAATTTCTGGAATGGGCGGAAGGA
ACGAAGGGGTTGGTTCTGAGGCTATCCAGAG

Sequence 2136

AATTGGAGCTCCCCGCGGTGGCGGCCGANGTACTCACATGCTGAGGGTANGAGGCNGANT
NTCTTTCGCTTGAANATNNCAGGATCTTTANCAAAAAGCCTGGACTCTGAAGACCCNANGN
GNNCATGGAACNTGNNTNACTGGATCCNTGANTCCAAAGGATGCCACTCCCCNCNTACC
TGCCCCGNGCGGCCNNTNTAGANCTNGNGNANNCCCNGGGCTGNCCGAATTCGANANNTAT
CTTNTCCNTNCCNNNAACCTTNAAGGNNGGCCNNGGTGCCCCCTTTNNCNCNTTTAANN
AGGGNNNNNTTNCNCNCNTNGNATACTNANNNCNATNNCTGCTCCTTGTGGTGGCTCTAGC
AGGTCTGGCTAAAACAAAAGGATTCCATACAACCATTGACATTGGAGTTAAGTATGCAGA
AAAACAAAACAAGACGTTTTGATGAAGGAAAAATAAAA

Sequence 2137

GGCNAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGNCAGGTACNTGNGCAANCTGATGG
CTCACAGNNGGTGGGGCACACACTCGNNGGNCTTGNCNGTCTGGTCTGTAAGATAAAAGG
TAATGTTTACGTTCCCAAATAATTATAATAACAGGGTATATTTTAACATCTTTGNNGAA
TGCTCTCTTNCANCAAAAGACATTTCTNATGTATTGTTNAAATNAAAATCCACANGC
TCTGNTTTNACCTGAAGTATTTATCTATCTCAGTCTCAGGACACTGTTGATGGAATTA
AGGTATAATGTGTTAAAGTCTGTGTGGCTTTCTCTTGTGTTTACTTTGGGGGAAAGGATGCC
AGGAACATGTATAGTGTCTCAGTGCTAATACTCTATGATGGATTAACCTCAAAGCATCGGG
AGATGACTCATATTATCTTAACATGCTTTCTTTTATTG

Sequence 2138

TTGGAGCTCCCCGCGGTGGCGGCNCGAGGTACTATTGACCCAGCGATGGGGGCTTCGACA
TGGGCTTTAGGGAGTCATAAGTGGAGTCCGTAAAGAGGTATCTTTACTATCCCGCGTACT
CCAAGTCCCAAAGAATCTGTTCTGATGGTTACACAACCAGCCAAGCACAGCCTTA
GGTTGCTCTCAACTCAGAACTACCCCTATCACACGTTGACGAATGCAAGAGCCTGTTAGA
GACACTGGAACCCAAGATGATGAAGTTTCATTCTTGTCGCCCAGGCTGGAGTGCAGTGGT
GCGTTCTCGGCTCACTGCAACCTCCGCCTCCCCGGCTCAAGCGATTCTCCTGTCTCANCC
TCCAAGTAGCTGGAAATACAGGCATGTGCCACCATGCCAGCTAATTTTGTATTTTAG
TAAAGATGGAGTTTCTTCATGTTGCCAGGAAAAAACCTTCACTGAAAAAGGNCGCTACC
ACTACTCGATTNTNTCTAAGTTGNTCAAATACCATGCAGGAACTGACTGTTATGANTAA
GACCTGGAAGGAAAAAT

Sequence 2139

CCGGGCAGGTACAGGACGCANAAAACCCAGGGTCCCAGAGCAGGGAGAGGATTCCCGGGA
CCGTGGCAGACTCATTCCCAGGGTGACAGCCACGGAGCGGGCTGAGAGACAGCAGTCCAG
GGTAGGCAGAAGGGGTGGGTTGCCNNTCCACACCTGTGGGTGTTTCTCGTTAGGTGGAAC
GAGAGACTTGGAAAAAGAGACACAGAGACAAAGTATANAGAAAGAAAAATGGGCCCA
GGGGACTGGCATTACGCATACGGAGGACCCGCGCCAGCACCGGCCTCTGAGTTCCTTAG

Table 2

TATTTATTGATCATTATCGGGCGTTTCCCGGAAAGGGGGATGTGGCAGGACAATAGGATA
ATANTGGGGAGAAGGTCAACATGTAAACATGTGAACAAATGTCTTTTGCATCATAAAAAAG
GTAAAGAAAAAGGTGCTGTGCTTTTGATGTGCATATAAATAAACATCTTAATGCCTTAA
GAGCANTTTTGTTCACACGTTCCACCTTCANCCCTTAGGCAGTTTTTCCCTTTNTTAN
TTGATGGAATNTCAATTGGGCTTTACACCTANACCTTCCATTGCCGGG

Sequence 2140

GATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCAGTGGGAAGCTCGCAGCAG
CTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAGGGAGGTACACCCAAGTGGG
AGATGGGGAAACAGCAACCCAGAGAGGAGAACTAACCACACAGGATCATTTTCGTGAAGG
AGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGA
GCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCA
AATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGTTTAAACACCATCTT
ACTAACCATTATTGCTATGGTGGTATACACTGCCTATGTCTTTATTCCAATCCACATTG
CCTGGCTTGGGA

Sequence 2141

ANGTACCCGGGGCTCGGACNTAAGTANTTTGTTGGGCCGGGNTNTNANGCCTNGCTTCTC
TNTACTTTTNCACCTAGNCCNANGATGNCTGATTNCCTGCCCGGN

Sequence 2142

AGGTACCGGTGCCCATCACCAACGCCACCCTGGACCAGATCACTGGCAAGTGGTTTTATA
TCGCATCGGCCTTCGAAACGAGGAGTACTCTTGTTTAAACATCAGAGGTGATCCCATCA
CCTTCACAGCCCCAGCCTCTGCTCCAGTCCCTCCCCAGCGAAAAGGGCCGCCCATGCCAT
CCTGCTGCTGGTGATTTGCTTTGTGGTCATGGACTCAGTGGACATCATTATTTTATTAAC
CGTGTGGTAGGTTTTAACTCAATTATCCTGGATATCCAAAGGTTTGTGGTCCATCTTTA
GGCTTCCGTTTGTCTTTGGTACCTGCCCG

Sequence 2143

NAATTGGAGCTCCCCGCGGTGGCGGCCGGANGTNCCATNTNNGCGGNGANCTGAAGATGGG
TGGCCCNACANCCGNAANCCACNNTGCNCATTACCTGTNNATACTGCAGCCCTTATAT
GGAAACTTCTTACATCACTNTGNTGTGTGNGTNTCACAGGTGGGTTNTGCTGNACCNGCC
CN

Sequence 2144

ATTGGAGCTCCCCGCGGTGGCGGCCGTTATTGGTGGTGAAGACCCGTAGCAACAGTGGGC
ATGCTTCTCGCGGTCGATCGGTTTCTCTGGCTCCTTCTTAATTTCTCCTGGGTAACGC
GCGACTCCACCGCCATCTTCTCCTACGGCCTCCCCGCGTACCTGCCCGGGCGGCCGAGG
TACCTTTATGTCTGGCAAATAGCGCCCCAGAATGATGAGCAAGCACAGCATGGCGAACA
CCACCACCGCCACGACGCCACCGATCACGGCATGATCCACTGCCCTGATCGAGCCTTCTT
CACCTGCTCGGGAATCTGTGATGATGGTAAGGATGGTGGTG

Sequence 2145

GAGCTCCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAGTAGGTGAAAGGTGAGGATTCA
TCCAAAATCTGCTGTAGTGTGAGTGCCTGAGCAAGCCANCAGAAAGATTCTGGTCAGAGT
GGGCCATCTAAATCAGTGATGTTGCAGGAAGAACTGGAGTGGGGTGAATTGATTGAGT
GTTACTGTAGGAGCCTATGGGTGGGAAGAGGCGGAATAGAGGGAATGATGGATGGCATGG
CTGTCAAGACTCTAAAAGGACCTGGCATTGGATGATTTGGCCATCTAGAGGCTGAAGTCG
TGCAGGATAATGCGAGGAAGGGCAGGAGGCATTGGGGTGAAGAGGAAGCCAGACTCCAA
GCCAGGGTGGTCAAGTGAATGTGGCCATGTCTGGCATATCATGAAGGAGAGTTTCAAGGAT
GGGTGGAAGATTTGGCCANATGATAGGCCCTCAAAGGCTGAAAAGTTTGCTTGCTTGCT
TTAATAAATGGAGGAAAAAAGTATTCTAGAAGCNGGAATGGAAAATAAGTANTCTAACA
AAATCCTNTCCAACACCTGGCATTGGGGAATTTTAACTTAGAGAATACCATTTTAA
AACCNCCAGATTCTCCTATATCTCACCTTTTGGGAAGNCAGGTNGGAAGACATATGGG
CCACNTANTAAGACCTCTCTACAAAAAANCCCCNCCCNNTT

Table 2

AAAATTGGNNCCCCCCCCNCCCNNAANTTTTTNAAANTTTTNNCCCCC

Sequence 2146

AATTGGAGCTCCCCGCGGTGGCGGCCGCCGCCAGGTACTAAGGCCTCCTTGAGCTTAA
TAACTGGAATGGGTNTGTGGGGTTTATCACTAATGTCTNCTGAGTGCTGGTCACCATGT
CTCAAGCAATAGCCCTAAGGTGTCTACATGGATCACCTCATTACANCTTATAGCCAGGTC
TTATAATGATCAATNCCATGTTTTANATGAGGAACCNNGGGCTCAGGTTAANCAACTTGC
CCTTGCCCTTGATCACACTGGTCCCTTGCTCCAAGGCCAANTNTATACTCAGGCCTCAT
ACCTGAGGACCACAACCTCAAAGGTCAAGCAGGGTTTGATGTCTGTTTTCTTTTTCTCT
TTTTTTTTTTTTAAAAAANAAN

Sequence 2147

AGGTACCCTGGACTCATACCTGAAAGCAGNGTTCAACCTTAGCAAAATCTCCAACCAGNG
CATGAACANTTTNTACATNACAACGACCTGGTTTTCAAATTCAGCTCTCAAGGCCAAAT
CTTTCTAAATTTAACCAAGAACTTCATCANTTCACAGAGAAAGTAATCCANGACCGGAA
GGAGTCTCTTAAGGATAAGCTAAAACAAGATACTACTCAGAAAAGGCGCTGGGATTTTCT
GGACATACTTTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGATCTCCA
GGCTGAAGTGAAAACGTTTCATGTTTGAGGACATGACACCACATCCAGTGCTATCTCCTG
GATCCTTTACTGCTTGCCAAAGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACNCGGGGG
GCTTTTGATTNTAATGATAATTGCNCCTTTATCTTTNAAAAGCTGATATTTNCTACCTAA
CCATCTACCGAGAAAAATATCTCATTAAAAAGCCATAAATAATTNNGGAGANGAAAGCC
TTANGTNTNAATTCCAAANCAGTGATTGAAAATTCCCAAATAATTATGGCTTCTGTCTAT
CTCCAAANATAATCTGGCTTGGTTTACCCCATAACTCTAATTTCAAAAAA

Sequence 2148

ATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGCAATACATGAGTTCTTCTCTAGAA
AACCAAGCCTTCTCTGGCTGTTAGAAAGGAGGCTAAAGAGGCCGAGAACCAGGTGTTG
TGTTTGAAATCCCCTGAGGAAAGTGCTGATCAATCTCAAGCTGACAGAGACTCAAAGAAGG
CCANAAAGAGAAACTTTCTCCCTGGCCTGCGGACCTTGAAAAGCAGCCTTCCCACCATC
CTTTGCGGATCAAGAAGCAGTTGTTCCAGATCTCTATAGCAAAGAATGGAACAAGGCAG
TGCTTTTCTGTGAGTCTCAAAGAGGGTGACTATGTTGACGGCCCCACTGGGATTTTCAN
TGCACTTAAGGTCTACAGATGAGGAGTTTATTTCTCAAAAAACCAGGGAGGAAATTGGTT
TAGGGTCCCCCTTGGTACCTGCCCC

Sequence 2149

AGGTACCTTGACATCTCTGCCTGCGCTGCTCACCCACTGTCAAGAAAGAAAGGTAGAGC
CTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTTCGGGCGGGAGCCCCCAGCACCTGG
CTCTTCTGATGGAAGCTTGGTTTCACTCTTCAGAGGTGGTGGAACATCCCCAGAAAA
CCGGTAGGCGTGGGCACAGTGGCTGGAGGCCGAGGGCTCCTCGCCATAGCAGAAGCA

Sequence 2150

NATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGTTTGTTCCTCAAGGCCATCTCTCACC
GACTTTGTTCTTATTAATAAATTTTTAAATAATTTTACTTTTCTTCAAAGGAAGTT
TTTTTTAGTAAATATGTTTCATATCCCATCATAAGAAGTTGAAACAACACAAGATAAAA
ATTCCCTGGATTCTTCCCAGTTTTCATTTACTACCTCTGAGATAACTACTATTACCCATT
TGGAGTGTTTCTTTGTACAGCCTGGGTAGGGGAAAATCAAGTTCTTTCAGCTACCACC
CATCCAACCTTTGGGCCTATGTGAAAAGAAAGGAAGTAAAGCTGGGTGTGTTCTGTCTGGA
CCTGGGGAGGCCCTGAAGGCAAAGAGGGAACTGTCCCAGCTGTTCTGTCTAGGGGAG
GGGACATAGCCCTAACAGGAGCTCCCAGCCCCTCTTGGCACTCTGACACACAAGTACCT
GCCCC

Sequence 2151

AGTCCACCGCGGTGGCGGCCCGGCCGGCAGGTACAGATGGGGTTTNTNCATGTTGATA
NACGNTATTCTNCAAACTCCCGACATCCAGTAATNCTACACACGGTCAGAGCGTACTCTA
GNTCTCATTATTNATCAATANGTGCACAAACGGGAAGTTTTCTGCTNAAGCCTGACTATT

Table 2

GNTTAACACATTGAATAAAGAANNATTTCCCAACATTTGGCA

Sequence 2152

AGCTCCACCGCGGTGGCGGCCGAGGTACCCAGGCCTCATTGATGTGGGCAGGCACTGGCA
GGGGCAGTGCTGGGTGGGGAGGAACTGTCTTCAGGCTCTCTGATGGTGTATGTCCATGGN
AAATTTAAACATGGGGTGACATGATTAATGTTGTATTTTGAAAGTGAAGTC

Sequence 2153

AATTGGAGCTCCCCGCGGTGGCGGCCGACGTACCCTGTGCTNGGC NNTGAATAACANCAC
GNANGNCCGNATCCNTGANNTTGNANANNNAATATNNAANGATANNGGCCTNNCNTTCCN
GNATNCNGCTCCTCN NNNNTAATNTAATNACACNTGTGGTNTATNCNCTTGNTNACATAAN
CNCAGGACNTNATNAAGNNGNACTGCCTANTNTGAANTAGGNANNCNNTNANGNTGGAAN
AATTGCANNTGATACNNATGNNNAAAAGATCNTAATGNNGGNGCCNAGGTCNNAGNTAA
TGTTNNNTAAATNNNANNTNTATNGNACGATGGGAATAATCNTGGCTNTCGGNGAATCCT
TGTATCCGGATGTGCAGAAGCTTGTGAGCATCGCCTGCAAAAAGGGCCCTGTATCCATG
GAGACATTGACATGGGCTTTGATTTTCAAGTCCTTCTGAATCTTGGGGTCACAGGCTTGA
CTGAAATTGCCAACNAAAACCTTCCTG

Sequence 2154

GGNNCCATTGNTANTGCNATNGTANACNCTNNANNTNACNTACNTNAGACNTCTGGCTAT
ACCTNACNNNGNTTGTGNCNCTACGNCAANAANTGACCTCTGNANCANNNAGAACGATAT
AATANCTACTGGANACNCACAACACTCTCTAANATCTNCNAATACCTACTTCATCATGCT
GACCTGTGTGCAGGGNGCCNGGGNTTCTCTGAGCNCNTNTATCGAATGGTGNCTGGNC
CACTTCACCTTNCCTGGGATGTNCCTGNGACAAGAGACAAGGAGAAGGCCTTAGGATCTA
CTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGT
TCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAAT
TTGCAAGGTAGGAGGCATCTTGGGTATTACTCTCANATTANCTTTGTTGCTGGAGCTATG
TGCTTCTAGGGACGTGTACCTGCCCNGGCGGCCGTCTANAAC TANNGGATCCC

Sequence 2155

CCGGGCAGGTACCGGGGGGGTGCAGGGCAGTCAGACTGGAACCATGGAGCTCAGCGTNCT
CCTNTTCCTTGCACTCCTCACAGGCCTCTTGCTACTCCTGGTTCAGCGTCACCCTAATC
CCATGGCACCCCTCCCAACAGGGCCCCGCCCTCTGCCCTTTTGGGGAACCTTCTGCAGAT
GGACAGAAGAGGCCTACTCAAATCCTTTCTGAGGGGGTGGATCTGATTGCCGTCAATCAA
TAATACCTTTGACCAAGGGACTCCAATCAATTCAGCATGCTTTGCCTAATGCCTTTTGT
TGTAATACTGTTGCGGGACAATCAAAGACTGGAGAGACCAAAAAGGTTGAGGAGAGTTT
ATTAATTAAGGTGACCACTGGCTCAGCCAGAAATATGTCCNAAAAAAAAAAAAAAAAAAN
NNNCCCNAAAAAAAAAAAAA

Sequence 2156

AGGTACCTGGGGCAACACAAGCCCCGTGAAGATGAGTCTAGGTTACATTCAGTGCAAAAAA
CCACAACCCAGAAGTGCCTTGCCATGGCTTCCAGGGCTGTGTTTACTAACTGCAAAATC
ATCTCCCTGCTGCGGTCTCAAAGTCTTCAGACATTTCTTGATCTGGCTGTCTTAAAAAGC
AAATTTAACATCAGCCACGTAGCCAGGTTTTCTTGCCAACAATCATGTGAGTTTGCTAT
TCTGTTCTGTGCATCTTGCGCACTCCCCGCGTACCTGCCCC

Sequence 2157

CCGCGGTGGCGGCCCGAGGTACTCAATCTGTGAAGTGTGTTCTCACAGTGTCCCACACCT
CCCCGAGGGGCTCACCTGCCACAGCAGTGCTCTCTGCTCTTCAGTCCACCTAGATACTC
TCTTCTCTTGATCTTGAAGCCTCCTTATCCTGACCCATCATTCTTGGAACCACTAACCT
ATAAAGTAATTGCAATCAGACTCCTGTTTCAGGGTCTGTTTCTGAGGATCCTCAACTTC
AGACACTGTAAATTTTTTTCATGGTAATGGTAAGGAAAATGCATTATTTTATCTGAAATA
TTCATTTTGTAAATCTTTTCATTAATTATCCAATTGTTGAAACAGAAAAAATTGCTTATT
ACTTTAAAAATGCACACACATATTAATATCTGTTTGAATCATAGATTCTGGCAAGTC
AGCCGTATCCATAATGTAAACAGATTTTTCTAACAAAAAAAAAAAAAAAAAAGT

Table 2

Sequence 2158

CCCCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTGAACCTCTGTTTAG
ACCAAGAGGAAGAAGCCAAAGGCCTTCANAAACCCCAAAGTTAACACAACCTCATCTGG
CTGCTCTAAATGCAGAACATTTCTAAGAAGTAGCATTAGGGGGTTCCCANATNAATCTT
GAAAACACATCAGGGCCTTCTNACCCCTNACTTGGCCAAAGATGTGCCGTGCTTTCGCAA
CATTCTGCCAATTCTTATTTCTCTTCACTTTCTGAGAAATGGGGGGAAAACACAACCCA
ACA

Sequence 2159

CCGCGGTGGCGGCCCGANGTACAGTTTTTGATCTTGTGGAAGAGTATGAAAACATCTGTG
GTAGTCAGGTGAATATACTGAGTAAATAGTGAGTCGAGCAACACCTGGACTTCAAAAAT
TTTCAAAAACAGCCAGTATGCTCTGGCTTCTTCAACAGGAGATGGTCGCATGGAGGCTCC
TGGCTTCTTTGTATAGAGACAGAATACAGTCTGCATTAGAAGAGGAAAGTGATTTCGCAG
TTACTGCTGTTAATGCCAGTGAAAAACAGTTGTGGAAGCGTTATTTAGAGGGATTAC
TTGTTTCGACAAAAGTCAAGNTTGGTGGTAGAATTGGNTAGAAGAGTATTTGCCAAAGATGA
AATTGGAGAAATTTCTGATAATATTGAGTTTTATGCAAAATCAGTATATTGGGAAAATAC
TCTGCATACCTTAAACAACGGCAGCTGACTTCTTACCTTGAAGTGTCGCCCTTGTCA
CTGAATTGGACCCTGATGCTCCCATAGACAGAAAAATG

Sequence 2160

CCGGGCAGGTACTTATTTAAGACATTACTTAATAGAACTGCACCTCTCAAGTCTATTCT
AATATGATGCATGCAGGAAATGCAAAATTTGCATCCAAAATATTTAATGTTAAATAATAC
TAGACAAGTTTTTAAATCATAGTAAATTTTGTGTCATCAAGAGCAGAGAAAGTTA
TATTCTACGTAATACAATATTCTGATTTAGTTTTCTCATCTGTAAATAAGACTGTTATG
GATTAATGAATTAATATTTGTTTAGTATTTACAGTAGTCCCTAGCATATAGATTAAATG
CTACATAAGCGATTATTAATAAAGTAATATCATTGTGGCAGATCATATTTCCAAAATG
GCTTCAGCCGTATTTCTGGTCCAGCATGCTCTCCAGAATCTTGCCAACCCACCCATCA
CATGGTAGAGTCTATTTCTCTCCTCTGAACCTAGGGGGATTCTAATTATTCTGGCCAA
CAGAGCAAAATAGAAATAATGTTCTGTGACTTCCAAGGCTCTGTCATAAGAAGGATATAG
CTTCTGCCTATCTTTCTCTTTT

Sequence 2161

CCGCGGTGGCGGCCCGGAGGTACTGTGGGCTGAGCTGGTATCCAAAATGCAAGACAAAGT
TCTCTTTACTTTCTCTCTTCGAGCAGAAGGAAGGAGTCACTTTCTTGTGTGAGCTCT
GCTGCCTGGGGTTGGTGGAGAGGTGGTCAACCTCTCCCTTAGCCACTGTGTCTGGTACA
GTTAATCTTTGAAAACCTGGTGGGTTCAAAGGTTTTTTTTTTCTTCCACATTGGAAGAGAG
GAAGTATTGTATATACTGCCAAGATTTGTCTACAGAAAAGGATTATATGGCCCCAAAAC
AGACTTCTTTTGTCAATTTAGATGGCAGAGTGAATTTTGTTCATTATGTTTCTTAAGGAT
TAACAATCCAGAAAGAACTGGGAAAGGGGAAATAGATGTTTGAGCTGAGAAGTTATTAT
CTTACCAGTTTTAAAAAATACTGCAAATACTCTGATACCTTGTTTTTCATGTCCTGCCA
TTTTGNAAATAAATAACACTTTTCATATACAAGAGACTGGTATTATACCTTCTAAATA
TTACATGTCAAGGGGCTTAAGAACTGATTT

Sequence 2162

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAGGAAACCTCATACGACGGGTGCATGTTAT
CCAGTGATCTTCTTCTCTTCAACAAATATGTATTGAACCCCTTCCATGTGCCAAGC
CCTGTGATATTAATGACGATTAATAAGAGTGATCAATGCCATGATAGGCGGTGTGAA
TGCATTGCAGGGAGCTCTCCCTAGTTTAGAGGTCAGGGATGACTCCAGAGGATGGGACAT
TTAACAATTAAGCTAAGATATTTATCAGATTATCTAGTTGAGAGTGGGGAGGAAGGTGGG
AGTTAGAGTTGGCCATTTGGAGCGAGGAGATGGGGATGGTTAATGGGTACCT

Sequence 2163

CGAGGTACAGGGTGAAGGAGCTGCTTCTGTCTTGTGCGATCCAAGTTGTAATGTTAAT
GAAGTCTTGTGTTGACCTCAGGATATCCAGAAGCTCCTGAGAGACTGATGACAGACACCA

Table 2

TTAATGAACCAATCTTGCTGTGTCGATTTCTGTGGAGATCAAGTCCTTCTACATGCAGC
GATGTCCTGAGGATCCCCGTCTTACTGAATCTGTCAGTTTCTGTTCAAAGAGTATTAAT
AATTTTGCTTTTAAAGGGGTGGGGACTGTCATCTGGAATCAGGTACCTGCCCCG

Sequence 2164

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGAGAACAGAAGCCAT
GGTCTAGCACCAAAGAAGGGAGGATGCTAATGAAAGCCAACTAGGGAAGAGTCAAGGAGA
ATAGGGTCAGTGCCACAGCATGAACTGTAGCGTTGTAGCAGAAAGTTATTATATAAGGT
GGGAGGCTGCAGCCCATTACACCTAGGCCGCTCCAGTCATACTGGGTGTGGGAAGATT
AAGAAACAACAGGCAGGATTTGGGGAATAGGCTTCAGCCCCAGTAAAGGATAAGAAGAGG
AACCAAGGGCTTTGACACTGCAGAGCTCATACTCTTAACACTGAGGCAATTGCTTGTTCT
CAGACCTCCCTCTAACAACCTGGACCCAACCTCACTATTCTCATTCAATGGGAATATCTTA
GACATTCTAACCCAGCAGNTCTTCACTCAATTTCTACAGTAACACATTTGGTCGGTGA
GTCTTCTTTATCACACATATTCATGAACCAACTCTTTCATATTGGGCCACTCACTCACA
TANGGCTTCCATTTTTTAAATTTGGCTGNATACCATGNNNTAACCACTTGNTTNTACCC
ATTTTCTCTTGGGAGGCTCACATTTTGTCTTGTNAAGATTGGGAAAAAAATTCAGGAAC
CTTGGTTCTACTAAAAAGGATTTGANGNCCCTCAATTGATTTTTAATTTTANAATGGG
TNAAGNCCCTACTGGGCCACCGNTTAAACCTTAAAAAAAAAAAAAAAAAAAAA

Sequence 2165

CGCCCCGGGCAGGTACCACATCCACTTGGTCGAGCTCCTGGCTGTGTGCACGGAGGGTAAG
AATGTCTACACAGAGATCAAGTGCAACTCCCTGCTCCCGCTGGATGACATCGTTCGCGTG
GTGACCCACGAGGACTGCATCCCTGAGGTGAGCGAGCCAGCCTGGCTGTGCCCTTCTCG
TTGCTATGTGGTGTGTGCTGCTGGCTCACTGGGAGACATGGTGGTGGCTGGCCCTGGG
GAGCCCTCATGGCTCTGAAAGCTGCAGCTCATTTTGTAGTGGGATTTCAAGTTCCTAAA
ACATTTTCTCGAGCATTGATTTTGCATGAAAGGAACACGGAAGAAGTTAGTCGTTCTTTC
TGTATCTTTAAGAACAGTGAGGAAAAAGCTTCAGCTCTGTGGACTAATTTAGCCTGTTG
AGCAAAGGGGATATGACCTGAATGAACTTTTCAGAAATGTGACGAAGAGTAGGTTGAGAT
CTAGTCCATATGAATGTAAGACTTAGTAAGTTAATCTTTAAACAAAAACCCCTATTAC
AGAAAATAATGGCCATTATAAAAAATTT

Sequence 2166

GACTACTATAGGGGCGAATTGGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCCCCACCT
TTAGGAAAAAACCTACAACATATATTTTACTAATATTCTCGATGAAACAGGAAAAA
ATTAATTTTATTGAATGTCAACTGTTGGGCATGCATCTTTTAAATATTCTGTGTGATGAG
ATGGGACGTGCACATAAAGCCTTCTGCTGCATACAGATGCACAATGTCTGTCTGAGGA
AAGGTACCTGCCCCG

Sequence 2167

GCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGTGCCTATGCATAGTAATCTCT
CAAAATTGTTTGTGAGTGAGTGAATGTGTGAACATTTTATGAAATTATCTTTAAGAGTA
GTTACTCATGATCAGTATACTTTAAAGATCGGCNAAACATTGATGACTTTTTAAAAAGT
AATTTTGGCCAGGAGCAGGGGCTCATGCCTGTAATCCCAACACTGGGAAGTGAAGGGGGG
AGGATCACTTGAGGCCAAGAGTTCAAACTAGGCTAGTGGACGTAGCCCAGACCACATCG
CTNCAAAAGAAAAATTTTAAACAGCTGGATGTGGTTGGCATGTGCCTATTATCCCACT
ACTGGGGAGGCTAANGCAGGANGATTGCT

Sequence 2168

CCGGGCAGGTACACGTCCCTAGAAGCACATAGCTCCAGCAACAAAGCTAATCTGAGAGTA
ATACCCAAGATGCCTCCTACCTTGCAAATTTCAAGGAATTTCTCACTGGTGTATTTATA
GGATGCTCAGTGAAAGTAGCATAAGGAACCTCAGTGGACCATGGGTTCCAGCGGGACAGA
AGAGACTACTCTCCGGACTCCCCAGTAGGATCCTAAGGCCTTCTCCTTGTCTCTTGTG
CAGGGACATCCCAGGGAAGGTGAACCTTGCCAGGCAGATGCGATAGACAGCGCTCAGAGG
AATCCGCTGCAGCTGCACACAACCTCAGCATGATGAAGTCGTATTTGCAGATCAAGAGAGT

Table 2

CTTGTCTGTGACCAGTAAGAATTCTCTCCTTCTCATTGTTCCAGTGGTCTATCTTTGTCA
AGAGCCAGAAGCCTTGAACGGTCTCTTCAGAAGCTCAGCTACGTGACCTTTCAAAGTCT
TCCTGGCAGTCTCAATGGCCCC

Sequence 2169

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAG
ACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGA
CAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTC
TCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCCTC
TGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTACCTTCCCTGGGATGTCCCTGGACA
AGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTCACTGAGCATCCTATGA
AATACACCACTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTCATGTCTAAACTTG
TTCCAGCTATCCANAATGCCCNCAAGAATCAACTGGATCTGGAAAAAGAAAGAAACTG
ATGGTGTTAACTGAACCCATTTTGATTGAGACCTACCCAGGGCTGATGTCATTATTGGA
AACCGAACCAACNTGGCTATTTCCCTTGGCGTNGGAATATTGGGTTTTGAGAGTCTTTTTG
GTCTTGGCCGTCTAACTAGNGGATCCCCNGCTGCAGGAATTTGAAATTAAGCNTATTG
ATCCCGNNANCTTNANGGGGGGCCCC

Sequence 2170

NAATTGGAGCTCCCCGCGGTGGCGGCNCGCCCGGGCAGGTACAGGAATGGAAAACCTGAA
ATTTGTCCCCTGTGCTGAAACAACAAGCTTTTCTTTGAGTATTGACCTGCTCTTAATAGA
AAATAGTGAAATGTTTTCTCTACCTTTTAGATAACTGGCCTAATAAACCAAGATTTTTG
TTTTCAAGGTAATTTCTTATGCTTTATGCTCTCTTTACTAGGTCTTTGATTACTTGAG
AAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTGTGCCACTCTC
ACAAATAGCANAAAGAGTGGTGAGACACTAGCTCTTCAACCCGGAAC

Sequence 2171

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCNNGGCCCTTCGCCAGTGTGGG
GAACGCGGCGGAGCTGTGAGCCGGCGACTCGGGTCCCTGAGGTCTGGATTCTTCTCCGC
TACTGAGACACNGCNGACACACACAAACACAGAACCACACAGCCAGTCCCAGGAGCCCAG
TAATGGAGAGCCCCAAAANGAANAACCAGCANNTGAAAGTCGGGATCCTACACCTGGGCA
GCAGACAGAAGAAGATCACGATACAGCTGACATCCCAGTGCGCGACATGGAAGGTGATCT
GCAAGAGCTGCATCANTCAAACACCGGGGATAAATCTGGATTTGGGTTCGGCGTCAAGG
TGAAGATNATACCTAAAGAGGAACACTGTAAATGCCATAAGCATGTGAAGAGCAACCNC
CAGTTTAAATGAANACAAGCTGAAACAACGCAAGCTGGTTTTATATTAATATTTGACTT
AACTATCTCAATAAAGTTTTGCAGCTTTCCCCNNNANGAATTTNNNNNNNNNNNNNNNN
NNAAAATTTNTTTNNCNNGGCCCTTNNNTTTNACCCCAAGGGGNNTTGGGGGCNTT
TTTTTTAAAAA

Sequence 2172

CGCCCGGGCAGGTACCATAGAACAAGGCTTCTCCAACAGGCCGAGGTTGATGCAGGCAT
CCATGGCGCAGTCGAGCACCTTCAGCTGGTAGATGTTGATATCGGGAAGCCGTTCAAGAT
TGCTGCTTATGATCGCCTGGCACATGGCCAGAACCTGCTCCCACTCTGTTATTAACCTTA
GTTAGGGATTCAATTGTCTTTATGAACTTTCACAGCAAATGTATTTCTTCCAGCAAAGG
CTCCCGGAGACACAGTATCTTACTCCAAAAGATGAGTTCCTTGATGAGAAATTAAGCA
CCCCAATGCACAGCTGAGAGCCTGTTCCATCACACCCACTACAATGTCCCCGCGTACCT

Sequence 2173

AGGTACATCATCACCATATTTGATTAAAAGTTCCACCACCTCTTGATGATTGTGTTCTGT
GGCCCAATGGAGAGCTGTCATCTTAAACATGTCTTTGCATTGACATCAGCACCATGCTT
AAGGTA AACCTCTTACTATTGCTGGCATGGCCCTTCAGAAGCTTGCCATATGTTAATGG
GNTGTTTCGGTCCCACTTTGGGTTTCTTGGGCAATCTCTGGCTCACACCCANGCTCNAA
GCAANTTACCCTGGCCCCGGCCGGCCCGCCTTCTAANAACTAAGTGGGGATTCCCCCCC

Table 2

GGGGGCCNTGGCAAGGGGAAAATTATCNANTTTATTCAAAAGCCTTTTAATTCNGAATT
ACCCCNNGTTCCGAAACNTNNCAAAGGGGGGGG

Sequence 2174

CNGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTAAGCTGGGGGAAAAA
GAGTAGGTAAACAGACATGGCCTTGGCCCTTCTGGAATTTACATTCTCGTATGTGCAT
GAAAGTTGTTTTGAAAAAACCCAAACCATGTTTTCTCTGCTTTCACACTACAACAAT
CAACACAGAAGACTTCTGTGACTCCAAAAATATGTAAGGATTTCTCCCCACCACAGGC
AAGCAATCAGTTCTGCAGCGGACACCAAGTTGGGTGTCTCCAATTCAATCCAACACTAT
CTACCTAGAGACAGCATCAGATCCACAGCATGAGGGCTCAATGCCAAGCTGCCCCACA
GCCCCCTGGGCACCAGTAGCAAGTCTGGGCCTCTGGAACCTCTTTTTTGCAGANATGGG
GTCTCACTATATTGCCCAGACTGGGGGCTCA

Sequence 2175

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGGAAACCTCATA
CGACGGGTGCATGTTATCCAGTGATCTTCTTCTTCTTCAACAAATATGTATTGAACC
CCTTCCATGTGCCAAGCCCTGTGATATTAATGACGATTAAATAGAGTGATCAATGCC
ATGATAGGCGGTGTGAATGCATTACAGGGAGCTCTCCCTAGTTTAGAGGTGAGGGATGAC
TCCAGAGGATGGGACATTTAACATTTAAGCTAAGATATTTATCANATTATCTAGTTGAGA
GTGGGGAGGAAGGTGGGAGTTAGAGTTGGCCATTGGAGCGAGGAGGTGGGGATGGTTAA
TGGGTACCTCGGCCGCTCTAGAACTA

Sequence 2176

CGAGGTACAGTTACATTCTGTGGTTTTAAATCTTTTTTAATGGGCTTGGCATTCTTGC
CGTTTTTCTTCAATTATTTTCTTATTATTTGATTTTATGACCATTTTAAAGCTACCT
TTATTTAGCTTTCTGATTACAATAATGAAATGACCAGTGTTCTCTTTTTTAATGTATAG
TAAGCAAGAAGAGTGACCCACAACATCAACAGCCCCAGTCCCTACAACAGAAATCCGAC
CACAATGAGCACCATGGCTGCTGCCGAAGCAGCAGCTGCTGTTGTTGCAGCAGCAGCGGC
AGCAGCAGCAGCAGCTGCAGCCATGCTAATGCTTCCACTTCTGCTTCTAATACTGTCAA
GTGGAACCTGTTCCAGTTGTTCTGAGCCTGAA

Sequence 2177

AATTGGAGCTCCCCGCGGTGGCGGCCGGGGGTACGGATGGGAAAGCCGTGGGGCAATGGG
AGGTTGCAGGAAGCCCATCCTTCCCCTCTGCGGCAGGTACCT

Sequence 2178

GGGCNAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGTTGTCTTTATGC
TGCGAGATAAGTCTCTCTTGGTTTGAGCTCCACCTTTTCAGTGAACCTTACATTTTG
GGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGT
GAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTGTGCCACTCTCACAATAGCA
GAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATCCAGGTGGACACATAAGGATTC
ATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAGTGAGACAGATCAACCATTAC
CCAGGAGTGGCAGACCCAGGGGAATCCCCCTACAAGAAAATGGTGAGTGAGTGAGAGT
CCCGTGGGATGCATATTTCTGCCACGAACCTTTGAAT

Sequence 2179

GATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAAAAAGACTCTCAAAAACCAATACTC
CCACGGGCAGGGGAATAGCCAAGTTTGTTCGGTTTCCAATGAATGACATCAGCCCTGTG
TAGGTCTCAATCAAAATGGGTTCAAGTTAACACCATCAGTTTCTTCTTCCAGATCCA
GTTGAATTTCTGTGGGCATTCTGGATAGCTGGAACAAGCTTAGACATGAACCCAGACAAC
TTGCAAATTTCAAGGAATTTCTCACTGGTGTATTTATAGGATGCTCAGTGAAAGTAGCA
TAAGGAACCTCAGTGGACCATGGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTC
CCCCAGTAGATCCTAAGGCCTTCTCCTTGTCTTGTCCAGGGACATCCAGGGAAGGTG
AAGTTGCCAGGCAGATGCCGATAGACAGCGCTCAGAGGAATCCGCTGCAGCTGCACACA
ACTCAGCATGATGAAGTCGTATTTGCAGATCAAGAGAGTCTTGTCTGTGACCAGTAAGAA

Table 2

TTCTCTCCTTCTCATTGTTCCAGTGGTCTATCTTTGTCAAGANCCAGAAGCCTTGAATGG
TCTCTCCAGAAGTCTTCAACTACGTGACCTTTCAAGTCTTNCATGGCAGTCTCAATGGCC
CCCGGCCGANGTACTTTTTTTTTTTTTTTTTTTTTT

Sequence 2180

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTCTGATTGGAAAAAAGGCA
AGAGGCAGATCATGGGATCCATTAAAAGCTTTCAAGCAATATCAGATACACATTTAAGTA
AAATCACTTTGAAGTGTTAACAGATGGATTAGAAAAATTAAAGCCAGGGTAAGCTAGGA
GGTTACTACACAGTTCTATACACAACTCATGTATTAGCAAATATTCAGAGTGAGTGAC
TGAATACACTTTCCAGACCTGAATTAAGTAGTGGCAGTGGGAGTGAAGACAACGAGGG
GAGATAGGCCAAGAACTATAGTTAGAACAGACATTAGGGACATAAGGAACATGGGTATTA
AAGAAAGGAAGATGATTCCTAGGCTTCTGATAATCTGAGACCATACTGTTTTCAGTTTGT
ATCCCATTTTTTTTTTTTTTGAAAAAATTTGNTNTTTNGCCCAGGCTAAAGGNCAGGG
GCTTNNNTNACTNCCTCCCCCTCCNGGGTTNAAACAATTTCTTGCTNAACCNCCCNG
NGGNTGGGATTAAGGCCCCCCCAAANNNGCTGGGGTANTTTNTTTTTNANNAAAAAC
GGGGTTTCCCNTTTTGGCCNGGGTGGTNNTAAACCNNTTAACTTGGNNGNNAAGGTTCN
NNNNCCCNAAANCCNNTTGCCTCCNNTNGGNAACAAAGGAAACTTTTTCNAAAAA

Sequence 2181

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACANGTCCACTAGCACGGCAGCTATAGTGTGG
GCATCTAAGAGTGCCCTGTAAGCAGCTGTGGCCAGACTGGGTCCCTGGGAGAGGCCAGCA
GACCAAGGAGTGCTCAGTTGGACCAGCTTCTTGATTGCAAGACCATCCTGCAGAAAT
TAGGCCCAACAGTTCCCGTAGGGCTAAAGTCTCTTATGGGAGACAGTTGAGCCTAGAGAA
ATGGCCATCACTGGCCACACTTTACTACAGATGCTCTTGACCAAACCCTCTGGCCACCA
CATGAGCTGGCTTGCTGCATTATCTCTTGCTTGCTTCTGGGGGCTGCATCTCAGAGAG
ATGTAGGTGAGCAATTACTCAGTGCAGCCAGCCAGGATGGAAGATCTTACTTTTGGCC
AAGTTAGGGGTTTGCTGTCTGCTGAGGAGCAGTGGGTAGTTTGTGGGACCCATGGAGGAT
GGGCTGGCTTCTCTCCTTGGGTAAACTGCAGTTGAGGTGTGAATAAGCACTTAAGGT
TTGGG

Sequence 2182

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTTCGTGGGTCATTAN
CATTTCANATGAAGTGCTGGCAAGGGACCCTGCCATTCAGCAGCACAGTGCTGGGCACAC
CTGGGTTGTACATGTGCCCTGTTAGGAGCGGTAGATGCCCTCTCCCTCTGTCANAGC
TGANCATGGCACTTGTAATANCCGTCTTCTGGAAGTGCTGGGTATNGGAACACCTGTG
GGGGCTGTTGCTCACCCCTCTTCAGGGAACGCTGGTGCTCATATTTA

Sequence 2183

AGGTATCCCGCGGACTTCCGGTTTGATAAGCCAAAGAAAAGCAGAAGCCCAGCCTCAGCA
GAAGCCCCAGGGGACAGTGGAGAGCGGTCAGAAGGGGAGGCCATGGAAATCTGCTCTGAG
CCTGTGGCAGCCTCCCCTGCACCGGCATGGTGAGAGGCGGATCTACAGACATAGGAATAC
CCTCTACCATCTGCTTTGGTCAGGGGTGCCCGCTCGGAGGGATTTAATAAGGCAACCAAN
GAAGAAAAACNCANAACCAGATGGCTGGATAGGACTCAAGTAAAAGGGAGTGGGGGGGG
CCAGTCACCCACTGGCTTGGGGCCGTGGCATTCCCGCCCCCTTGGGGCCCTTTTCTCCCGA
CCTTCTTGGTGGTGGGGCCGNNCCTGGGGGGGGCCAGGCCCTCGCNCATCCTTCCCAT
CCTTTGGTTTCCCTCAAGCAAAATGGGCATTTAGCAAGCCTTNTCCATTCAAGAAGGCTG
GTGNAGGGGACCCACANGTATTTTGGGAAA

Sequence 2184

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGAGCTGGTGTAAATTGAAAGA
CGTTTAGGTGCAATCATCTGCTGTTTGCTCCTTGCCAGGTTCAACATGGGATTGTGTGA
GTATTTGAAGAAAACAGCAATTTTTTCATATCTTTGAAAGATGTAAAAAGCGTAGATTAG
TGCTTAAATTAAGAAATCTGGTAATTTATAATCATGTGGCTCTAAATAAAAAGGTATT

TTATTGTCTGTTGGATTAAAGCTTTAGAAAGGCTACGCCCTGGATACAAGTGAACCGAT
AATTCTGGTCTAATGTTGCCGTGGTAACAACTCATGCTGATATAATTGAGAACATCTTAT
ACATCCTGGTTCGAACATTTTCTCCCTGCCATTTTGTAGTTGTTCTAGTGGTATATGAAG
GAGGCTGGGATAACTAGCTTGAAGAAATTCACT

Sequence 2185

CTATAGGGCCAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACACTCACAAGGAAATAGG
ATGTCAAGTCCTTGGGTAGTTTGATAGTTTTCCATGACACCANCTTATAGCACAATGCCA
AAATAAAGTTCAGGAGAAGGGTCAAATAATGCAGACTTGTAAGTTCCTGTAATTCCTTGAC
TATACAATTGATTCCATTTTGAATGTTTAAACACACAGTTGCTCAGCAGTCTGGATGTTAC
TGTATTCCCCCACAAAGACAGCTCTGTAAATGAACATAAATCAGGCTATAAGAGAATATC
TCCTTACACTTGGTCTTCAGGGCAGAAGTAGCAACAAAGAAGCACAAGTCTCTTTGAAA
CCATATCTTTGATTTAGTGTCTCAGCCTAACACGTATTGCAGTGTGGCCCAACAGAAATG
GGTCTGTGAGATACTTCAACACCCGGCANGGGCTTGCT

Sequence 2186

GCGGCCCGAGGTACAACGCAGAGCAGGTCTTGAGTTGGGAGCCAGTGGCCCTGAGCAATA
GCACGAGGCCTGTTGTCTACCAAGTGCAGTTTAAATACACCGACAGTAAATGGTTCACGG
CCGAGGACGCGGGCAAGCCCAAGGCTAAAAAGGCGGGCGGAACCAAACCTAAGAAGCCAG
TTGGGGCAGCCAAGAAGTCCAAGAAGGCGGCTGGCGGCGCAACTCCGAAGAAGAGCGCTA
AGAAAACACCGAAGAAAGCGAAGAAGC

Sequence 2187

CGNATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACACCTGCCAGACTGTCTCC
AGTGACATCCCCTATCCATGTAATGGCACCAGCAAGCGACTCAAAAATATCCCCCATG
GCCTTTGGAACTTCAATATCTCTTCTTTCTTCTTCTCCTCCTCAGATCTCCTAAGCTAT
TACAGAGGGAATAAGTGACTTTGTAAGCAAAAAGGCCACTTTACAGGCAGTCCACAGATGT
AGTTTCTTTTCTTGATATATGACTTTTGTTACTTCTTTAGTAAGGGGGGAAATACCAT
TATGGTATGCCTACTATATTGTAATAGTAAACAAATGTTATATTTTTAAAAAAGTTTTT
CAAACCTCTCAAGAAAAAAGAAAAAATATCCCCACCCCATTTATATTCTATATACCCA
GCAAAGAAAAAGATTACTTCTAACTTTAAACAACCTTAACAAAAGAAATTAAGAAATAGT
CAATAAAAGTATGAAAAA

Sequence 2188

GATTGGAGCTCCCCGCGGTGGCGGCCCGGGGGCCATTGGGACTGCCATGGAAGACTTGAA
AGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGAT
AGACCACCTGGAACAATGAGAAGGAGAGAATTCCACTGGTCACAGACAAGACTCTCTTGAT
CTGCAATACGACTTTCATCATCTGCTGAGTTGTGTGTCAGCTGCAGCGGATTCTCTGAGCGC
TGTCTATCGCATCTGCCTGGCGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACA
AGGAGAAGGCCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGCTCCCGCTG
GAACCCATGGTCCACTGAAGTTCCTATGCTACTTTCACTGAGCATCCTATGAAATACACC
AGTGAGAAATTCCTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAANCTTGTTCCAGCT
ATCCAGAATGCCACAAAGAATTCACTGGATCTGGAAGAAGAAAGAACTGATGGTGT
AACTGAACCCATTTTGATTGAAACCTACACAGGGCTGATGTCATTCATTTGAAACCCGC
ACCAACTTTGGCTNTTTCCTTTGCCCGTNGGGAATATTGGGTTTTTGAGANTCTTTTTG
GTACCTCGGNCCG

Sequence 2189

GCGGCCCGCCCGGGCAGGTACAGTCTTTGCCCCCCGACAACTCATCCCTAGTTGCAG
GTGTGCATTGCCGGGCTTCAGTTAACTGTCCGTGAAGGTTCAATTCATCACACATTTT
ACATTTTACAACAGTGTCTCTACTTCATTGCTAGTCGTTTAAATTTGGCCACATGGCA
AAAATGTGTGTAATGCAGGGGCTCTTTTTTAAGTGTTTCATTGAGCACGTAATTCAAAAGT
CTGAATATTAATAAACATCTCTGCCCTTTCTTCTTCCAGCAGGAGCTCAAAGAACGG
CTCTCCGCGCTCTCTCTGACAGGTACCGCG

Table 2

Sequence 2190

CTGTGAAATGAAAAAGAAAAACACAACCTTAGCTAGGCCCAAGATACCCCTCCCCACTCCT
CCACCATCCCCAAGTGTGGGGAAGTCAGAAGTGAAGCCCACGAGAATGCTGCACTGAGGG
ACTGGTATTCACAACTTACAGTTTCACCACGGTTTCCATGTTTGCCAGCAGGACCCACG
GGGCCATGAGGACCAGGTGCACCTGCAGCACCAACGGGACCAATATTGCCAGGGTAACCG
CGCTCTCCCTTGTGTCCGGGTTGACCATCGCGACCTGGGGGACCATCGTTCCCAGGGTTG
CCCTGTGAAGACACCACACAAATTAAGGCTGTTGGTGAGGCTCTGCTGCCTACCAGCCCC
TATGTTGTAGCTACTCTGTCTTCATCACTTCCAGTGCTCAGTAACGAACCCTCTTTCAGA
CTGTTAAACTAGGGATAAAACCTGCCAACCTAAATATTTTTTAGAGATGTTTTAAATA
CTTG

Sequence 2191

CNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAA
GTCCTCTCTTGGTTTGAGCTCCACCTTTTCAGTGAACCTTTACATTTTGGGGGATCTGC
TCTTGTAAGGACATCCTTTCTGGTCTTTGATTCTTGAGAAAAGTGAGTGAGGTGGGGCC
AAGATGGTTGACTAGAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGT
GAGACACTAGCTCTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACAT
AGTGTGACCTTCNGATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGC
ACAGACCCAGGGGAATCCCCCTACAAGAAAATGGTGAAGTGAGTGAGAATCCCGTGGGAT
GCATATTTCTTGCCACGAACCTTTGAATCCCTGGGCTCAGGAGATCCCCAAGCTT

Sequence 2192

CCGCGGTGGCGGCCGTCTTGTCTTCCCGGCCAGGAAGCTTCATCTTCCGGATCATCCGGG
AAAGGGACAGAGGCGGCCGAGGTACATTTCTCTTTGTGGAGCTATTTATTTTTCTGGAG
AGCCAAGACAGGTATTTCCACTTCAGTGGTGTGATTTGAGGGGTTAGGAAAATTTCTTG
CCTTCAATTTCTTTCCAACTAGATGTCACAAATACATAATAGTAGTCCTTAACTTTAT
TTTTGTTTTTCAGTCACCTGAAAGACATGACAAATCCATACTCCATATTAATGCAGCGGCCA
TTCTCAAATAGAGAAGGGCTTTAAAAAATTAGAAATCTCTGCCGGGCGCAGTGGCTCACG
CCTGTAATCTCAACACTTTGGGAGGCCGAGATGGGCGGATCATGAGGTCAGGAGATCGAG
ACCATCCTGGCTAACACGGTGAAACCCCATCTCTACTAAAAATACAAAAAATTAACCANG
CGTGGTGGTGTGGGCCGCTGTATCCCACTACTCGGGANGCTTGAGTCANGAAAATG

Sequence 2193

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTGCGGGTNT
TTTTNNGTTTTTTTTTTTTTTTTTTTTTTTTTANNNNNNTTTTTNTNTNTNCNT
NTTCTNACTANTAATANGGATNANGGCCCTCNTGNTGAACATNCCTGNCCNTCNNACTN
ACACCCACATCACGCNNGNGGCCAGGTGCNCACTTTGTTCTTCTCNTGCTCCGNCNTGT
GACTTTCAAGATTGATTTCTTCTGAAAAAATATATTCCTGAAATTAAACTGANAAATCC
TGATTGAAANAGAGTGGGCTTTCTNGTCTACTCAAAAAATAATGGGAATATTAACCATTC
AATAATGTCTGGGGTAAATCAGAGATTTTAAATGAAGCCTTTCTGTATGACTACCAATCA
TTTAAATCAACATCATGTTTGCTATGAAGAAAGCCATCATTTCTACCCATCAAAAAATA
CATTTATGAAAGATGAAAGTGAG

Sequence 2194

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGACCTATTTTAAGGACA
AATGATTACCAACTTTAATTCCATCTGCAACCTTAATTCTCCTTTTCCATGTAATGTAAC
ATATTCACAGGTTCTGGCAATTTAGGATGTGGTTTTCTTCTGCATAATTATTCTGCCT
ATCACAACTTCCAAAGTTGAACATATTTGTGCAAGGTGGACATCCAAGCTACCAACAATG
TTGAAAGCTTAGATTTGTTCAACACATTTACAGACGTTACATTTCTTTATGCCTGAAA
GGTAGACCTTATACATAAAGCATGAACAAGTAAATGGTATGCTTTTTGTAGGATTCTT
GGCTCAGGGCCCAAGGAGCTTTACAGTACCTCGGCCGCTCTAGAACTAAGTG

Sequence 2195

GCTCCCCGCGGTGGGCGGCCGCCCGGGCAGGTACTTTGCCAAGCAGTAAAAGATCCAGGA

Table 2

GATAGCAGTAGTTGTGGTGTCTATGTCCTGCAAACATGAACGTTTTCACTTCAGCTTGGAG
ATCTGCTTCAGAGAAGTCTTTGGTGTTCCTTTGGCACTCAAAAGTATGTCCAGAAA
ATCCTGGCGTCTTTCTGAGTAGTATCTTGTTCCTTATCCTTAAGAGACTCCTCCG
GTCCTGGATTACTTCTCTGTGAAGTCTTGGTTAAATTTAGAAAAGATTG
GCCTTGAGAGCTGAATTTGAAAACCAAGTCTGTTGTATGTAGAAAATTGTCATGCGCTG
GTTGGAGATTTTGCTAAGGTTGAACACTGCTTTCAGGTATGAGTCCAGGGTACCT
Sequence 2196
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTA

Sequence 2197

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGAGTGCGCA
AGATGCACAGGAACAGAATAGCAAACCTCACATGATTGTTGGCAAGGAAAACCTGGCTACG
TGGCTGATGTTAAATTTGCTTTTTTAAGACAGCCAGATCAAGAAATGTCTGAAGACTTTGA
GACTGCAGCAGGGAGATGATTTTGCAGTTAGTAAACACAGCCCTGGGAAGCCATGGCAAG
CGAGTTCTGGGTTGTGGTTTTTGCAGTGAATGTAACCTAGACTCATCTTCACGGGCTTG
TGTTGCCCCANGTACCTCGGCCGCTCTAGAAGTATGTTG

Sequence 2198

CCGCGGTGGCGGCCGCCGGGCAGGTACCAACCTTGCAAATGGGAGCTGGCCAGTGGGT
TGGGGTGACCAATCAATGAACAAGAGAGGTCTGAGACCTCCCTGTCCGTGGGTCTGAAG
GGCTGCGTGGGGGCATGTGGCCTCACCTGTTCTCTAAGGTAGAAGTGTCCATAAAGGGC
CAGGTGTGCAGATCCTGGTCCTGGGATGTGAGTGCTGCTGAGCCAAGGTGCACGGAGCAT
TAGTTCATCCTTCTTGAACCTGCGGTGGCAATGGTCTTGACAGGTATTGGGTAAAGAA
TTGAGGACTCAGTGACAGCTGTGGACCTTCTTCCAGAGAAGCACACATACTGAAACCAT
CTGCATTGTGTGTGGGGAGAAAGTTTGAGATGTGGGGAGTCACAGGTCATTTGAAATTC
CAAGATTAAGAAACCCCTGTACCTTAAAGATAAAGTCTGACTCCATGGTATGACAAATAA
ATCCCTTCCCAGTCTGGTCTTTAACCCAGACCTCATTTGCCACATGTGCCCACTCCCCATC
CCCCTGCAGGCCATTCTCTCANCCACCATGGCCTTTGGCCTTGCTTATTAGGTTCTTCCA
ANGACCTTCTCACCAGGCCTGAGGGTACCT

Sequence 2199

CGCCCCGGGCAGGTACGTTTAAATGGGATTGTTTGTTTTCACTTGTTGATTTTTTAAAGT
TCACCAGATGCACTGTGCTGGGGTCTGTGATAGTCCCTAATTGCTGTGCACCCCTCCCAA
GCCTGAGAGCAGCAGGAGGGAGGGTTGCGAGACAGCAAAAAGGTGGACTGCCTCTCTCTT
TGGAAGCTGCATGCCGGAGAAGTGTAGAGCTGCTCCCAGCTGGAGAACTCAGGAGGGCTA
GGGTGGCCTCACTAGCATCCCAGGCTAGTGGGCCTTATCCTACAAGGTTCAAGTGGTGGT
GAGGTCTGCAAGTCTATCACTGCTCAGCCCCATGGACTTGGCCCCCTTTTCTGGGGAGCGT
GCAAGAAAACTTGGCCTCCCAATTGCTGGAGCTGCAGCCCCTGGTTTGGGGTACCTCG
GCCGCTCTAGAACTA

Sequence 2200

TGAAGGGTTTAATTTGCCGCCGCTTGGGCCGTANATCATGGGTCATAGCTGTTTCCTGGT
GTGGAAAATTGTTTATCCCGCTCACNAATTTCCACACCAANNATANCGANNNCNCGGGGA
GCATTAAAAGGTGGTAAAAGCCCTGGGGGGTTGCCCTTAATGGAGGTGTAGNCTAAACTT

Table 2

CACAATTTAAATTTTGCCGTTTGCCNCTTCAACTTGNCNCNGCTTTTCCCAGNTCGGGGN
AAAACCCCTTGTTCCGNTGGCCAGCCTNGCAATTAATGGAATTCGGGCNCAAACGGCC
NCCGGGNGTANGAAGGGCCGNGNTTGGCCGTTATTTGGGGCCG

Sequence 2201

GAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTGTNTTTC
CTCCTTTATTTAATTATTTATTTAGGCTCTTGCCATTCAAGGAAATCCCTATCAAAATA
CTAGCTGAACACAAGCTAATGGAACAGAGACTTNANAAACCACACATGACAAACATCAAC
TTTACAAAAATAATTTTGCAAGTCCAAACACAAACAGNCATAGTCCACTGCAAGCAACA
AAAAATAACTCTGAGGAATGAGAAGAATCTGATTTCCAGAGTTACCACCACATTAATA
TCCAATTTTAACCACAACAACAACAAATCACAAACCTGGCTGGGTGCGGNGGCTCAC
ANCTNTAATCCCAGCACTTAAGAGGCTGAGGCANACGGATCACCTGAGGTCAGGGAGTT
CAAGACCAGCCTGGCCAACATGGGGAAACCC

Sequence 2202

ATAGGGCAGAATTGGAGCTCCACTCGCANGNGGGCGGCTCGAGGTACTGGCAAAAAAGAT
GTTCCGGTGGTTCCAGCAGAAGCCAGGCCAGGCCCTGTGTTAGTGATGTATAAAGACAGC
GAGCGGCCCTCAGGGATCTCTGAGCGATTCTCCGGCTCCAGNTCACGGACCACAGNTCAC
CTNTGACCATCAAGTGGGGGCCACCGTTTGAAGGGATGGAGGCTTGACTATTTACTGGT
TACTGTTGNCGGTCCCCTCNTAAGAACCTAGGTGGGATNCCCNCGGGGCTGCCAAGG
GAATTTNCGGATANNCANAGCCTTTATTCCGGAATACNCGNGCGGACCTCTTCTGTANGG
GGGGGGGGGNCNCGGGTTAGCTCCCAAGGCNTGTGTNTGGTGTGCNCCCTCTTTANGTT
GGAAGNGGGTTNTAAANTTTGGCCGGCCGNCCTTTGGGCCGNTGANANTCCATTGGGGGT
GCAAATAAGNCCTGGNTTNTTCCCTTGGTGGTTGGAAAAATATGGGTNTAATTGCCCCG
GCCTTNCAACCAAAATTTGCCANCCAACCAAAATCCATTTACCTGNAAGGCCTCCGGGGGG
AGGCCAATTAANAAGNTTGGTTANAAAAGGCCCTTGGGGGGGTTG

Sequence 2203

GGGCAGGTACGCTCTCCAACCTGGCCAATACAAATCCCTTGTATCCGTCTTCCGGGCTGCA
GGGCTCCCTCAGGCAGAGGCTATGACCTGCAGATAGGCCACACCATTCTTGGACTGGTCC
TGTAGAGCAGGGTCCCCAATCCCTGTTACTGCTTCATGGCCTGTTCAGAAGTGGGCCAC
ACAGCAGGAGGGACTTCAGTACCT

Sequence 2204

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGTCCCATATCATTAAAGTGCCAGTG
TCCTGCATTGAGTTTGTGGTTAATTAATGAGCTCTTCTGCTGATGGACCCTGGAGCAAT
TTCTCCCCTCACCTGACATTCAAGGTGGTCACTGCCCTAGTAGTTGGAGCTCAGTAGCT
GAATTTCTGAAACCAAACTGTGTCTTCATAAAATAAGGTGCAAAAAAAAAAATACCAGT
TAAGTAAAGCCTCAACTGGGTTTTTGTTTCTATGAAAATATCATTATAATCACTATTTAT
TTCCTAAGTTGAACCTGAATAGAAAGGGAAACCATCTTATTAAGCTTTTTATTAGGCC
TGNGGCTAAATGTGTACCTGCCCGGGCCGGCCGCTCTAGAATAAGNGGATCCCCCG

Sequence 2205

CCGCGGTGGCGGCCGCGGCCGAGGTACAGAGCAGGGGCTGAGAGGTTGGCTCAGGTTGG
CTCTCTGGGAGCCTGACTGTAAGTCTATAGTTTATTTATTTTGTGTTGTGAGAAATC
TTTGATAAGTTAGAACAGTGGTTCTCAAAATGTGATCTTGGGACCCATCAGGGTTCCCGA
GACCTTTGTAGGGTGCCTATGAAGTAAACATCTTGTACATAACAATATTAATTATTTGCC
TTTTTCGCTCTCATTCTTTCTTAGGTGGAATGTTCTAGAAGGCATATGATGTGATCTTGC
AACAGATTGAATGCAGAAACAGAGATGAGCGTCCAGCCATCTTCCATTAAGCCAGATTTT
AAGAGACTTTCAAAATGTGTAACAATGCTACTCTTCTCACAAATTATTTTGGTTTGGG
AAAATATATTTTAAAAA

Sequence 2206

AGGTGGCGGCCGAGGTACGCGGGTAACCTGACGATCTCAGACGTCAGCGTGAGTGATGTG
CCATTTCTTTCTCTGCCAGTCTGGGGCTGGGGTGCCAGGCTGGGGCATCGCGCTGCTG

Table 2

GTGCATGGTCTGTGTTCTGGNTGCCGCTGGCCATTGTNCTATCTCATTGCCCTTGNTCTG
 TCCTGTCAACGTGCNCGCCNAAAAGGAACCTACNNGNGCCAGNTTTGGGNCCATNNTT
 TTTCCANCCCNCGGGGNAATGNCCCTACCACATTCTCTTATTGNAGGCCGAGGTACCCC
 TTGTCCNNGGGGCGNNGGCACCGNCTTCTTAAGAAACCTTAAGNTGGGGATTCCCCCCCC
 CGGGGGCCTTGGAAGGGGAAATCTCCCGNATTAATGNNAAGGCCTTTTNAATNCGGAA
 TTANCCCCGGCTNCCGGAACCCCTTNNNGGANGGGGGGGGGGGNCCCCCCCCGGGGNTN
 CCCCCAAGGCCTTNTTTTNGTTTTTCCCCCTTNTTTTAANTATGGAAGGGGGGGTTTA
 AAATTTTGGCCGNCCCGCCCT

Sequence 2207

AGGTACACAGAGAGGGGTGTCACTTCAGAAAATCTTCCAGCATGTTCTTCAGAATATTAA
 TTTATATGCGAGGTGAGGTGGGAATGAAAAGAACAGGTGAGCACTTTTTTTTTTCTA
 GAACATACAAAAGAACATGGNGGACTTTCAGGGGAGTGCCAATGGCAAAGGNCGAATATT
 TCCTTAAGGGGTCCCCGNAGGNAATGGGGTAGTTGNAGAGGGGAGGGGGGAACACAAAT
 GGCTTTTTTGNAGGCTTACNNTTTTTACCCCTTCTGGATACTTANGTTCCAAGGNNCCC
 AGAANCCCAGNCGCACNCANGGCCAAAAATTTTCTTATCCTCGGGGGTCCNNGGGCCC
 CACCTGGANAAAAATNCCCCTTTGGTTTCAAAGNAAACCCAGGAATCCACCAAANNATTCT
 CTCGGGGGGGCTTCTTTTGGGTNCCCCCATTTTGNNGAAGGNAAGGGGGAAAGGGG
 AAAAGNAAGCCCCTCCAAAAAANTTANACGGTTGGNTGGCCAACCCNCAATNGGCCNC
 CAATTAATTTTTCNAGGNGGAAAAC

Sequence 2208

CCGGGCAGGTACCATTATTATCCCCACTTCAGAAATGAAGAACTGANCCCTCAGAGAGGG
 GAATTCATTGGCCTGAAGTCAGCACAGCTGGCAAGTCTGTAACCAAAACCTAAGCCTGCA
 ACTTCTGCTGTTCACTGCTGCCTCCCACAGCAAAGGGACTTCAGCTACACCACTCAACAT
 CTTGTGTGACCAAGCCATAGGGCAAATATGGCCATCCCGATATACACACACTGTCCTCAGT
 GCACTTCCAGGATGCCCTTCCAAATTTAAGGAGCTCTGCAGGGCCTGGGGGATCTAGCTGCC
 ATTTCCAAGGCTGGCAGGGCAGAGCANAGGTGGAGCCTGGAAGGAGCCCACTTTGGTTTG
 TAAGCCTCCTTGCAAGTGCAGTGGGCCACCTGAGGCACCTTAGGGGCCCTTAGGATGTCA
 GGCACCTTCACCTCTGAAACTAANGCTGGGACCAGGGCTGGAGGACTCTTTGCCACCTC
 TTTTTT

Sequence 2209

ACTATAGGGCGAAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTT
 TTTTTTTTTTTTTTGGGATTTTAGTAGAGGCGGGTTTACCATGTTGGCCAGGCTGG
 TCTCAAACCTCTGACCTCAGGGATCCTCCAGCCTCGGCCTCCCAAAGTGTGAGATTATA
 GGCCGGAGCCACCGCGCCCGGGCTCATGACAAATTTCTAAGGCAGCACAGATGAAACAAG
 GAAAGCAGGAACCAGGGTCCAAACCATGTCTCTCTACTCTAAATTCGATGCTCCTTCCA
 CTACACTGATGGCTTTCACAGTTTACAGTGCTTGCAAAACACCTAAAGGTCTGTTCACA
 GATCACAGGATACCGACCAAGTAGGTGCGGGTGGGGCCCGAGAATNTGATTTCTAGCGA
 GCGCCCAAAGTAGCGGAGGCTGCTGGTCGTGGGCTACCCCTTGCCTGGCAAG

Sequence 2210

TAGGGNTTTTTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCCACTGCGCGTAGCCACTATA
 GCCTTTCGCACAGTTTAAATACA

Sequence 2211

CCGGGCAGGTACGCGGGATTTGAGAACCCTTGCCCTACAGACAGTTTCTGAGAGCACCCC
 AGGAGGATTAAGTTTTAGTTACTCACCATTGTGATGTGTTCAATGAAGTGGCCTTTAGTT
 TCTATCTTCTGGTTTCTGTCTCCCTAACTCCCTTCCAGTATTTCTGGAATCATCAGCC
 AAATAAATTACTTGCAGTTGGATCATTGTTTTGGGGTCTGCTCTCAGGAAACCTAAACTA
 TGACACTCTATATCTACAGTTCTGGTATTATATTTGTTTCAGTCAGCTAATGTTGGACT
 CTGTTAGCACAGCTGTTTGAATTTAACTTTTCAAGAAATCTTTTCATCCTTATTATTC
 ATTCCTGTTTTATTCTTGGATATCCTAAGTGCATACCCAGACTAAATGATAATATCAACA

Table 2

CTTGTTCAAGTATGGTTGGTCATTTTTAAAAATAAACAGGCAAT

Sequence 2212

AGGTACTCTATACCCAGGCAAAGGCAAGCAAGCAGCCTTGAACAAGTCATTCAACTCATT
GAAGCTGATGTATCCATTGCCATCAGTATCAACTTTGGCAAAAGCTTCTCTGAGCTCCAT
CATTTCTCATCGGACACTGATCCTCTGGCCATTTTTATTGCTTTAGGTAACAGATCTC
AGCAGCACGAAAAGCTCTGTCTAGATGCATTCTCCTCACTGGCCCCAGGCAGATGCCCCC
GCGTACATGTTATTCACCTGGGTCTCCCATGCTTCAAAAACACCTAACGCTGTTAACATT
GAGAAGAGGATTGAGAGGAGCAGAATACAAAGGTATTTATTAAGGTAATTATAATAGCCG
TAGAATAACAGGCCAGAGAACTGAAAGTGATTGAATAATGAGAATAAAAACAAAGGAAGA
GGGTTGAGTGTGGCAGTACCTGCCCCG

Sequence 2213

GCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTAAGTGTCTGTGGTTTCATG
GCCTTTCTTCATTTGTGGTTCTTGTGAAGTGGAATTTAAATGACATCAAGATGGATAAA
CCCTAGTTTCCCAGTGCTGGAATATANAAATGGATGGACAAGTAAATCCCCTCATCAC
CCATAGTCCAGGCATGGGACCTCAACACACCTGAGCCCCAGACATCACCTTTCATTCTG
GACCTACCATGAAAGGACTTCTTGAATCCAGGAAGAGAGNACTGACTTGGGCAACATGTT
TATTCAGAAAAACAGGACCTTGCCCCGTTCATTTANGATGGGAAGTTTTCANGTGGGT
CCCAATCAATGTGCTTCAAGTTGGTAAGCNCTTCAAAAACCTTCNCCCAGGGNCTTCAAA
GGCAAAATCCCTTACCCCATGGTCCANNCCCCCTTCNCCCAGNNTNANCTTGGNGGAA
CTTAACNAAGNGTAAAGCCATTCCGGGTGGACCACCTTTCAGNTGGAAAAATNTTTGGG
NTTTTTTA

Sequence 2214

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGTAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAAGGAGAAGGCCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTCTGTCCCGCTGGAACCCATGGTCCACTGAAGGTTCCCTT
ATGCTACTTTCACTGAGCATNCTATGAAAATACACCAGTGAGAAATTCCTTGAAAANTT
TGCAAGTTGTCTGGGGTTTCATGTCTAAGCTTGGTTCAGCTATCCAGAATGCCACAAG
NAATTTCACTGGGATCTGGGAAGA

Sequence 2215

TTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACGCGGTGGCAGTGGGAAGCTCGCAGCAG
CTGGGGAGGAGCCAAAGCCTCGGCGCTCACCTAAGCCGCAAGGAGATACACCCAAGTGGG
AGATGAGGAAACAGCAACCCAGAGAGGAGAATAACCCACACAGGATCATTTCGTGAAGG
AGCAAGGCTGAAGAACCAGACCTGGACTTTCTTAGGACAACTTACTGCAGCTTGAAGGA
GCCAACCATGGATTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCTACTATCAATACCA
AATCATTAGCTGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGTTTAACACCATCTT
ANTAANGATTATTGCTATGGTGGTATACACTGCCTGTGTCTTTATTCCAATCCACATTGG
CCTGGCTTGGGAATTTTTCTCAAAAATATGTAGGATATNANGGGTANCNGNAGCCGGGCC
GGCCGCTCTTAGAATA

Sequence 2216

ANGTACTTNCCTCGATCTGTTTCTGCACTGGAAGTGTAAGTTGCATTTTCAAAATTATTC
TCTCAGCCCTGTGACAATTTAATTAATTTATTTATCCAGTTTCTCAACTCTGTTTA
GGTAGCAATGTCTCGTCAATATCTCATTCAAGGTGTAGCATGGAAAAGCCTAACAAACCCCG
GGCCGGCAGCCAAGCTTACCAGTGACTGACGCTCGCTTAACTGAGCAAAGATTGCTCTG
CACAGAGTGGGGCTTACTATACAAGAACCAGTAGTGACAGCAAGGATGCCGGCTAGAAT
CCTAACAAAGCTACTTCCAACCTTGCTCAGGCAAGTGGAANTGACACTTAACTGAATG
TTAAGGGGCTTCAATCTNNGGTACCTGCCGGGGCGGCCNCTAGAACTAGTGGGATCCC

Table 2

CNGGGCTGCAN

Sequence 2217

GA CTGATGTGCTCATGGGACATACCAGTGAAGACAGCANCTCTCCANGACTGGGGTTCA
GCAGGGAGGGCTCAGACGAGTTCAGGATGTCAAATCATCGAGGTGTATCTGGTGGTGATG
GGAACCGCCAGTGAGCAGGAATAATCANANAAGAGCANAGGGTCAAGGTCAGAGTCCTA
GAGAGCTGGTCTGGGAAGGGGAACTGAGGAATGGGCCCCCAGGCGGGAGGTATAGGAGG
AGCCACCTAGAGTGAGAGGCAG

Sequence 2218

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGGACT
CGGGGTCGCCTTTGGAGCAGAGAGGAGGCAATGGCCACCATGGAGAACANGGTGATCTGC
GCCCTGTTCTGGTGTCCATGCTGGCCCTCACACCCTGNCCNAGGCCATACAGAGACGT
GTACCTCGGC

Sequence 2219

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACACCCTGGGGAAGAAAG
TGATCCTGGTAATTGAGCTCCTAGGCCTGGGAGAAAAATGAGGTAAGCTCGATCTCCGTA
GGACTTATGGAAGGAAAGACATCAGAGCAATCTCTCAGACAGAGGGGAAATGAAAACATA
ACATGAAATGATGGAGGGAGCATTGGTGTAGCCAGCAAGCCTGGATTCTAGTGAAGCCC
AATTCACAGCCATTTGGTCTTAGTAAGGCCATTACCGCGCTCTAGGTTTGAGTCTCATT
TGTAAGTGAAGGGAGTGGAGGGGCTTATAGAGCTCGAACCCTCTGAGTCTAAGAGGCTA
GAAAGCGTGCGATCTATACTCCGCCTAAGAAAGGAACATCTANGTATGNTNAAAAACAGT
GGAGAAGTATGGCGTATATAANNTCTGGGCTACCNAGGCATTGCGAGCGTGGACCACNA
TAGAGACACAAATCCAGGCATCCCTTC

Sequence 2220

AATNGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTTTTATAAATGGGTGTTCATTTTTT
GTTTTATTGTTTGATATTTGGCCTCCATAGTAATATGTCTGGAGCTTGATCTTTATAAG
TTTCTCCTGGTTCTGTGAAATCTATTATCACCAAATTTTACGAACCAGGCAATGACATT
ACTATTTATTTGTAGGTTGAAACATTTTTAGCATGCAAGGAACCTATTCAGCGTGCAT
GCATACACATGCACAAAAACACATTAAATTGCCGGTGTTACAGTGCATGTGAAGGTAAT
TGCAAGAAAAATATGTTTTAAAGCAACAATAGAAAGATAAGAAAAGTACCTGCCCGGGCG
GCCGCTCTAGAACTAAGTGGATCCCCCGGGCTGCAAGGAATT

Sequence 2221

GCCGAAGTACCCCTCCTTTAGGTGGGGTTCAGCAGACACAGGGGCGCCATGTGGCCCGA
GTTACCAAGATGAACACGAGTTCAACGCCCACCTGTTTTGTGCGATGTGCTGTATGGATG
AACGGGACCGGGTTTCAAGAGAAAACGTTACCAAGTGGGTCAACAAGCACTTAATGAANG
TCCGCAAGCACATCAATGATCTTTATGAAGATCTGCGGGATGGCCATAACC

Sequence 2222

CCGCGGTGGGCGGCCCGCCCGGGCAGGTACTGAAAATATGAAAATTGCTTAGGCCAAAGA
ATGGGCTTTTCAATAGCACACTGCAAACTGGGCCCAAGTATTTAAACATCTCTAAAAA
ATATCTAGGTTGGCAGGTTTTATCCCTAGTTTTAACAGTCTGAAAGAGGGTTCGTTACT
GAGCACTGGAAGTGATGAAGACAGAGTAGCTACAACATAGGGGCTGGTAGGCAGCAGAGC
CTCACCAACAGCCTTAATTTGTGTGGTGTCTTACAGGGCAACCCTGGGAACGATGGTCC
CCCAGGTGCGGATGGTCAACCCGGACACAAGGGAGAGCGCGGTTACCCTGANAATATNGG
TCCCGTTGGTGTGCANGGTGCACCTGGGTCTCATGGCCCCGTGGGTCTGCTGGCAAA
CATGGAAACCGTGGTGAACTGTAAGGTTTTGNGAATACCAANCCCTCAGTGCAGCATTN
TCGTGGGCTTCACTTCTGACTTTCCACACTTGGGGATGGNTGGAAGGAGTGGGGGAGG

Sequence 2223

AGGGCGAATTNGGAGCTCCCCGCGGTGGCGGCCCGCGGGAGCCGGGATGCACTGTTCTGTC
TGTGGGTCCTCATCATGGAGACCAAGCGGGTGGAGATTCCCGGCAGCGTCTGGACGATC
TCTGCAGCCGATTTATTTTGCATATTCCAGCGAGGAAAGAGACAATGCAATCCGAGTGT

Table 2

GTTTTAGATTGAACCTGCCCATTGGTTTTACTTGGATTCTACATGCAGAACACACCAG
GATTACCTCAGTGTGGGATAAGAGACTTTGCTAAAGCTGTCTTCAGTCATTGTCCGTTTT
TGCTGCCTCAAGGTGAAGATGTGGAAAAAGTTTTGGATGAATGGAAGGAATATAAAATGG
GAGTACCTGCCCGGGCAGGCCGGTCTAGAACTAGTGGGATCCCCCGGGCTGCAAGGAAT
TCGNTATCAAGCTTATNGGATACCCGGNCGACCCTCGAGGGGGGGGGCCCGGGACCCA

Sequence 2224

CGAATTGGAGCTCCCCGCGGTGGCGGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTT
TTTCTTATGAATAAGCTTACTTTAATAGATCCAGGGGACTGTTAATGCACTGAAGAATT
ATTTTTCAGGCATTCTGTGATGTCCAAATTAGGTTAATATACCTCTGAGAAGTGAATCAG
TTACTCCTCGTTGGATAGNAAGGTCAGAACAACTGTTCTGAAACCTTANTACACACTAG
CTGATAANACACTGTTGCCATAATGTCTATTTATTGGATCAGCAATTTATAAGTCCCAC
ATTCTCATGCCACATANCTCTACACAGCTGCAAAAATATACCATAGCTTGCAGGTGATCA
TTGNGNTGAGGAAAGATATTGAGTCCCTCATCTTGTGAAAGTGATCTTTNATATAAGAGG
GAGCATCAAGCGGGGAAGCTCAGATTTCCCGTGGCTGACACACCANNAAGTATTTGGGTN
TTGNCATTGGCTGNCTGGNAGCCCNCTGGCAATGGCTTTTCAAAAANAGGNGCTGAGANTGN
GGTTAAACTGGGGGNACCTNTTTTCTGGCCNCGGGGCAAAAA

Sequence 2225

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTATATCCTTTTCTCAGGTTTCTCTTTTCCC
TGCTCTATCAACTCTAACAATTCAATTTTACCCTTTAAGTCAATGCCTCAAAAGTTCCG
ATTCTAAAATTTATCTATGATTAAAAGCAACACCTCAGTCTGTATGTTTTGTGGTGTG
TCCACCTCAAATTTAGCATGTCTGTAAATCAAATTAATTCATCTTAAAAAACTTAAAA
AAATTTCCATCTTCAAATAATATTACTATTAGAAATCTGGACTCCCTGGAATCTACTCA
CATCCAAGTAGTCATCAAGTATCACTGAGACACTTTAGAGCAGTAGTCCCCAACCTTTTT
GGCCAGGGACTGGTTCTGTGGAAGACAGTTTTTCAATGGACAGGGTCAAGTGGGGGGGA
TGGTTTCAGATGAA

Sequence 2226

CCGGGCAGGTACTCGGNGGCTNNTNTNACTGNTCCGGGAANAGGAAAACNNGNNNTGAN
TTTNNGGNCGAGGNNTANNATGAGAATGGGGGTATCAGGTGCATGAGCCATANTGGGATA
TGGCCAACTCGGGCTGCAAGGACGTCACGGGTCCAGATGAGGAGAGTTTTCTGTACCTCG
GC

Sequence 2227

CTCCCCGCGGTGGCGGCCCGAGGTACACTCTGTGATGTTTCATACGGCAAAATCTCCTGAC
ACATTTCTCAGAACGTATCCTCGTTGATAAGTGATGCGTAACTGTATTCTGAAACGGAAT
GGTAAGGAGGCCAGGTTAATCTTTGAGAAGTGAAGAAGTGGAGAGGAGATGAAATCCCTG
GACTTAATATGGACAAGAGCTGTGGGATAGATAGCTGAGTAGTGAGGAGGTGACTTGGCT
CAAGGGCCCCCAAACAGACCAGGGTGGAGGTGGCCGAAAATGTGACAGGGCAGGTGCAG
AGCCTAAAGTGGGGCGCTCACCTTATTGTGGAATATTTGCTGGTACCTGCCCGGGCGGC
CGCCCGGGCAGGTACTTTTTTTTT

Sequence 2228

CCGCGGTGGCGGCCCGCTCTCCACTGCATTTTCAATCTCTAGCAAAGTCTCATGGGGTAA
CAAAGAGACAGTAATATAATAAAAGAGCTTTCACTGACTGCCTGGGAACAAGCACAAACC
TGCATGGCCATCAAAAACCCCCAAAAGCATCCCTCTGGTCTGCAAGCAGGTTGCTGCACT
TCTCCGGTCTCAATGGGTGCATTTGCAGGCAGCTGATTGCTGTCAAATCCAAGGATAGA
ACTGACATTTTTGTCTGCAAAATCTGGCACTTTGAAACTGTATTATTAGCTTTAAGGAT
GCTATTGACTTGTGGAGGTGTGAGGTAATAATTTCTGTGGTGTGGAAGCATATCTCCTTCC
TTGGGTGTACCT

Sequence 2229

CCGCGGTGGCGGCCCGAGGTACCAGCACTGCAGGACTGGGCAGACAGACGGTGGCTGCTGC
TGCCGCCACCACCACCTCAACAGCAACAGCAGCAGCAGCATCTGAGAAGCAAGTGCG

Table 2

AACACAACCTGTGCTGAATGATCTGATGCCAGACATCGCGGTGGGTGTGTCCACACTGTC
ACTCAAGGACAGGAGGCTTCCAGAGCTTGCTGTAGACACAGAATTAAGCCAGTCAGTTTC
TGAAGCAGGACCAGGGCCTCCCCAGCATCTGCTGTATTCCACAGAGACATACACACAC
TTCTCGGAAAAAACACACACTAGAGCAAAAAACAGACACCAGAGAAAATCCACAGGAATA
TCCGGATTTCATGACTTCTCAAATGCTGCTTGCAAACCTTTCTACTCCTGGTCTTANCA
AGACGCACCCCTTTCCCTTCGCAAGGGTGGGATATTTGGGTCCCCGATCTGTACCTTGC
CCGGCCGGGCGCTTCTAGAACTAGTNGGATTCCCCCGGGCTNGAAGGAATTNCGATTTC
AAAGCTTATTCGATANCCGNTCNACCTTNGANGGGGGGGCCCCGGTTNCCCAACTTTTG
Sequence 2230

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACTTGNACTTTTT
TTTTTTTTTTTTTTTGTGTCNCCTCCATTGTTTTATTATTTAAGCAGCAGAGAGATCTGC
CTACTGNAGTATGTTTCGTTACAGCTTATATGGTAGAGGGGACACANCCAGATCAGGCAA
ACCCAAGATGAGGCNATGTTGTAAAAATACTCTGAGGAATCCACAGAAATCTAANAGCA
GGAATAACAGCACAGCTGGGCTTCTGCTACCT

Sequence 2231

GGCGAATTGGATTTNACCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACT
TGAAAGGTCACGTAGCTGAGACTTNTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAA
AGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGT
CCCGCTGGAACCCATGGTCCACTGAAGTTCTTATGCTACTTTCACTGAGCATCCTATGA
AATACACCACTGAGAAATTCCTTGAAATTTGCAAGGTAGGAGGCATCTTGGGTATTACTC
TCAGATTAGCTTTGTTGCTGGAGCTATGTGCTTCTAGGGACGTGTACCT

Sequence 2232

CCGCGGTGGCGGCCCGAGGTAAGTCTGCTCCCTGCACGATCCAGTCAGCCCCCTGCCCGGCTGG
TTATGTAACAAACAAGTCTGTGCTGTGTGGAGTGTGTCANGACGAGTGGAATGACTGT
TTCCAAGTTCATGGCAATTCAGAAGGCCCTTCATCCAGACTGGTTCAGTGCCTCTCCGA
TGGAGAAGTATCTTGAAGGAAGCAACTTCCATAAAAAGGGTCAGAAAGTCTGTTGACCG
ATCACTTCTTTTCT

Sequence 2233

CCGCGGTGGCGGCCCGAGGTACCAGCAAATCCAAAAAATGGAATTTAATAAAAAAGTTCT
TCAAATATTAAGTAACCTAAAACCTCTTTTAAATTTGAAATTTTAGTTTTATTTAAAT
CTACTTCTTAGAGCACCTTTTAGCTGCATTTTCCCCCTACCTCAGTGCGTGAATGCAATA
TATCATTCTTGGTATGTTTTCCGATCATAGACATCTGTTGTTTCTGGATAAAATATCTG
GAAAAACAAAAGAAACAATATTTATTATATGTTTTGCTTCTCACAAGTATTTAACTTCCC
AAATGACCCTATTTTGATTGCTTGTCTATCCTATAATTATTTAAATATAGAGGAACCT
CTCTGCCATTGCTTCATCTTGTGTAGAGATAGACCAATCACCATATCTGGACCCCTGCC
TGACAGCATGCCTCTTAGTGGTCCACAGGAGGATGGTGGGGTCCCCAGCCAGCTACTCCA
AGGAGGCTGTGTCACAGTGCTAGTGGCAGTGTTTCATT

Sequence 2234

AATTGGAGCTCCACCCGCGGTGGGCGNGCNGAAGTACCCCTCAGGCCTGGTGAGGAGGTC
CTTGGGAAGAACCTAATAAGCAAGGCCAAAGGCCATGGTGGCTGAGGAATGGCCTGCAGG
GGGATGGGGAGTGGGCACATGTGGCAAATGAGGTCTGGGTAAAGACCAGACTGGGAAGGG
ATTTATTTGTCATACCATGGANTCAGACTTTATCTTAAAGGTAACAGGGTTTNTTAATCT
TGGAATTTCAAATGACCTGTGACTCCCCACATNTGCAAATCTCCCCACACACAAATGC
NGATGGTTTCAGTATGTGTGCTTCTNTGGGAAGAAGGTCCACAGCTGTCACTGAGTNCTC
AATTCTTAACCCAATACCTGTCAAGAACCATTGCCACCGCAGGTTTCAAGAAGGA

Sequence 2235

CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA

Table 2

GTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGG
GGAGTCCGGAGGAGCAGTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTT
ATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCA
AGTTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCA
Sequence 2236

CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGC
TGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAA
CAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAAATACGA
CTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCAT
CTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAATTGTCTGGGTTTCATGTCT
AAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAACTGGATCTGGAAGAGGAAAG
AAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTACACAGGGCTGATGTCTTTC
ATTGGAACCGCAACAACTTGGCTATTCCTTGCCCGTGGGAGTATTGGTTTTTGAGAG
TCTTTTTGGTACCTGCCCG

Sequence 2237

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGGCATTCTGAAG
CTGACAGTATTCGGGCCCCGAGATGTCTCGCTCCGTGGCCTTAGCTGTGCTCGCGCTACTC
TCTCTTCTGGCCTGGAGGCTATCCAGCGTACTGAGACCACAGCTTTTGGCCTCCCTTCC
AGCTCTGCAGCTAATGAGGTCTGCCACAACGGAAAGAGGGAGTTAATAAAGCCATTGGA
GCATCCCGAAAAAAGTACCTGCCCG

Sequence 2238

AGCTCCCCGCGGTGGCGGCCCGAGGACAGCCACGGAACTGTGAGCCAATTCAATCCCT
TTTCTTCTTCAATTACCACTCTCATGTATATCTTTATAGCAGTGTGAGAACAGATTAAT
ACACTCCTCCTCAGAAAGCATTCAATTTAGCTGTGTCTAAAGTATGCCAGGTGTCTTAGG
GTGTTATCTTAGCCAATAATTCTTCTCTTCAGCAAGATCTATTTGCCTATGACAGCTTG
ACCTACAGTTCCTACCACACTTGTCAGTAACAAGTAGCCATAACATCTGAAGGGAAGTTC
ATTGAAATCACAGAGGTTCTTTAGTTCTTTACCTCATTAGTAGGCATTAGGGAAGCACAT
CAACTTTCTAATTTAATAAGGTGCCTGTTGCTTTGAAAACTGCTCAAAAAAAGATAGGA
GAGGCTTACTTAAGATATCACTATAGGCGTGGCATGCTGCTTCACACCTGTAATCCTAG
TACCTGCCCG

Sequence 2239

CGCGGTGGCGGCCCGAGGTACCTTGCACATCTCTGCCTGCGCTGCTCACCCTACTGTCAAG
AAAGAAAGGTGGAGCCTGGTGCTCTCCCTAAGCACTGTGGGCCTCAGATTGGGGCGGGA
GCCCCCAGCACCTGGCTCTTCTGCATGGAAAGCTTGGTTTCACTCTTCAGAGGTGGTGG
CAACATCCCCAGAAAACCGGTAGGCGTGGGCACAGTGACTGGAGGCCGAGGGCTCCTCGC
CATAGCAGAAGCA

Sequence 2240

CCGCGGTGGCGGCCCGAGGTACGCGGGGTCCCAGTGAGATAAGCCAGTTACCTCAGTTGG
AAATGCAGAAATCACCCATCTTCTACATCGATCTTGCTGGGAGCTGCAGACCAGAGCTGC
TCCTATTTGGCTATCTTGGAAGCAACCTCAGGTATTTCTTTATTAGCAGTGTGAGAACAG
ACTAATACAGATTACTAAATCCAGAATCCAGAGAACACAAGATTATAAGTTCCTTGCCT
TGAGCATGTTCAAGTGAAGCGCTGCAGGGAGAAGGATGATGCATTCTGAGAGCCAACAGG
GCTGGACTGGAACTGGAGGAAGAGAAAGAGCTAAGGAAGGAGAGGAGCAAATTGGGGGT
TGACATGGCTGCACATGGCATACCCTGGGTCCAGTCTAACTCCCAGTGGTCTTACA
CAGATGGAACCTTGTCTAATGCCATTTGGAAGACCTACTACTAGTTTCATTATGGGAC
CAGGGTTGGAGAGGCTCANAATTCATGGGCAGCAGGCCNCAACATTTTTCAGATTTAATC
TGAATATATTGNCCTGGTGTGCCAGANTGACTGGTTCTTCTCTGGCCTCATTAACC
CCTACAGATAAGGCTTGGGAAGGATTG

Table 2

Sequence 2241

CCGCGGTGGCGGCCGCACAAAAACCAATCTACCTGATGAAAACCTCCGTTCCCTTCTCGCC
AGAAACATAAAATGCGATGGAGCTACGGCCACCGCTGCCGAGACAAAATGGCGCCCCCG
CGTACCTCGGCCCGCGGGCAGGTACTTTTTTTTTTTTTTTTAAATCTTTCAATCTTT
TATTTAAATGCCATGATCCAGGATGGATTTTAGATCTTGTTGAAAGCAGCCACATCCATG
GACTGCACATAGTCCTCAAAAGCAGTGATCTGCTCCTCCAGCATATCTGTTCCAACCTTA
TCATCTTCAACTACACACTGTATTTGAAGTTTCTTAATTCGGT

Sequence 2242

GGTCTCTCCAGTCTTTGATTGTCCCGCAACAGTATTACAAACAAAAGGCATTAGGCAAAG
CATGCTGAATTGATTGGAGTCCCTTGGTCAAAGGTATTATTGATTGACGGCAATCAGATC
CACTCCCTCANAAAGGATTTGAGTAGGCCTCTTCTGTCCATCTGCAGAAGGTTCCCCAAA
AGGGGCAGAGGACGGGGCCCTGGTGGGAGGGTGCCATGGGAGTTAGGGTGACGCTGAACC
AGGAGTAGCAAGAGGCCTGTGAGGAGTGCAAGGAAGAGGAGGACNCTGAGCTCCATGGTT
CCAGTCTGACTGCCCTGCACCCCCCCCCGCGTCTCGGCCCGCTNTAGAACTAAGTGGATC
CCCCCG

Sequence 2243

CGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTG
AGACTTCTGGAGAGACCAATTCAAGGCTTCTGGCTCTTGACAAAGAGACAAGGAGAAGGCC
TTAGGATCTACTGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGT
CCACTGAAGTTCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAAT
TCCTTGAAATTTGCAAGGTAGGAGGCATCTTGGGTATTACTCTCAGATTAGCTTTGTTGC
TGGAGCTATGTGCTTCTAGGGACGTGTACCT

Sequence 2244

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACAAGAACCTGAG
GACATATGGAAGGGATCCCTTCTACACCTCCACTATAAGATCACATATACCCTTTCTCTC
AGATTCTCAGATGTCATCTTAGAGAAGAACGGGAGACGGAGAAGGGAAATACAAGATGGG
GACAGTTACTTAAAAGAGGATGTAAGTGCATTTTTGGATTTAGCTCCACATCTAAAGAA
CTGGGAAGTCATGATTACTGTCTACAACAACAACAGCAACAAAGCTGAACAAACGAAAA
ATCAATGAATTTCTTGGATCCATGAGAGGACTGACATCACAGGAAAACATAGTCAAGGT
CTACTTATGTGAAGCACAAGTTACTGGAGCCAGAAGCTGACGGGAATACTTAAATGGTAA
TTTTAAATGCTGCTGGAACTGAGGTGGGTAGCTTGCAAGTGAGAACTCCTGGGGTC
GAGAGTCTTCGGGGCACCCGAGAGGTTATGAATTTTACAAGAGGGACCAGATTATGAC
TGAAAAACAGCCAAAAAAAAAAAAAAAAAAGTCCTC

Sequence 2245

CCGCGGTGGCGGCCCGAGGTACCAATGCACACTTTTCTTCCAATGTTGTTTCCCCCACA
GGTAATCCTGGCCGTCTTCTGGGGCCACTGACACCGAGGGTGGCTGAGTCAGCACATA
GGAGGTACAGAGACTGTGCAGTGAGAGAGGAGGCCGAGGAGGAGAACGGTCCAGGCCAT
GGCTGAGGCACCACAGTGCTGCTTCTTAGGCCAGACTCCCCGTACCTGAAGGTTTAC
AGCACACTTGTGGATCATATTATAAATCCAGATTGCCAGGGAATCTAAGGTCAAGAT
AGGCTGAGTAACTCACTCAGGTAATACAACCTTGTAATGGTCATTCTAGAATGAGAATAC
AAATCTGTGTGACTCAAACTTCTCTTTTCACTGTGTCTTGCTCACCTCATTAAAGAA
ATTGCTAGTTAAATTATGAGGATGAGGAGGTCATTTTACATAAGGGAAAGATACAAGTAA
AAGTAAAGTGTTGGGAAAGTGAAGGCACCATGGAGGAGATAGGCAAAGTGCCATTGATA
ATGGGCAA

Sequence 2246

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGA
AGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTT
GACAAAGGTAGACCACTGGAACATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGAC
TCTCTTGATCTGCAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCC

Table 2

TCTGAGCACTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGA
CAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGAGTCCGGAGGAGCAGTCTCTTCT
GTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTAT
GAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCT
TGTTCCAGCTATCCAGAATGCCACAAGAATTCAACTGGATCTGGAAGAGGAAAGAACT
GATGGTGTTAACTGAACCCATTTTGATTGANACCTACCAGGGCTGATGTCAATTCATTGGA
AACCCCAACAAACNTGGCTATTCCCTTNCCTTGGGAGNTTTGGTTTTTGAGAGTCTTTT
TGGGACNTTGGCCCTTTAAAT

Sequence 2247

NCCGGGCAGGTACCGCTAAAGCAAAAAAGAAAACCTCTCTAACAGCAGGACCTCTGATCT
GGAGGCATATTGACCATAAATTTACGCCACCCCATGAGAGCTCAAAGGCTGTGCTGTTCT
CGTCTCTCTCAGTCCCCATTTCCAGGTGATCAAGCTTGGGCTTAGGGTAGTGGCAGTGT
GGCTTTAGCTGTCAGCCATCACCATGGAAGAGCAGGAGGTTTAGGGGCCCTTCATAACCTT
TCAAGTGTTGGTTTTCCGTTGGAAGTAGTTGAATATCTCCACCCACCCATGCCCTGAG
AGAAAGCCCGGGAAGAGGGGCCACCATCGGGGCTCAGCACCTGCAAGCCCAATGCTGAC
ATGAAGGCTTCGCTTCATTCCATTCCGCCACGAGAGCTATACTCGCTTCCTAGGGCTCCC
CTAGCCACGCGGGTACCT

Sequence 2248

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGTTACAAACTCAAG
GCTGGGGAAAAAGCAGTCCAGTATTAATTTGGTTAAAAAGAAAACCACTATGGCACCAA
AAAATTCAAATAACACACCACGAGAAGGTCTGAAATGTGCCTATACCTAACTCTGTCTGCT
CTTCAGCTAAAATGAACACATAACTACTTAACACAAGGTAAATCTCTCCACAAATGAGG
GCACTGTCCATGAAATCTTATAAGGTTCTTGAGTTAAAAGGTAGTCTCCTTAAATCA
AATACTTCTATGACACATTAAGCAGACACTGGAAGTTTTACTCAAAGCCACCAAGCGATG
TTTAAACATGGCTTGGTTGTTTTTTCATTGATCCTGTAGGTGTATGTCTGGGATCCTCTAT
TACTACATTGCTTTTAAAGGAAATCTTAAATTTCAATACTTGGAATTTGAGAAGGNCCT
TCATGGGGATTTAATAATCAAACCTTACCGTTAAATTTTATTTTCCATTATTCTTCCCTTG
CTTGGGCTTTTTCAAATTTCCAACAGGNGGACTTTNTATTAAGGCTCNAATTAACATT
TGGTTTAAAGGGCACTGNCANGGCTNACTTTTGGCNTTTTGGGAAAAA

Sequence 2249

CCGGGCAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCC
ACCTTTTCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTG
GTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGC
TAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGG
AACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGA
GAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGAATCCCCCT
ACAANAAAATGGTGAGTGAGTGAGAGTCCCCTGGGATGCATATTTCTGCCACGAACCTTT

Sequence 2250

CGCCCGGGCAGGTACGCGGGGAGTGCGCAAGATGCACAGGAACAGAATAGCAAACCTCACA
TGATTGTTGGCAAGGAAAACCTGGCTACGTGGCTGATGTTAAATTTGCTTTTTAAGACAG
CCAGATCAAGAAATGTCTGAAGACTTTGAGACTGCAGCAGGGAGATGATTTTGCAGTTAG
TAAACACAGCCCTGGGAAGCCATGGCAAGGCAGTTCTGGGTTGTGGTTTTTGCAGTGAA
TGTAACCTAGACTCATCTTCACGGGCTTGTGTTGCCCCAGGTACCT

Sequence 2251

CCGCGGTGGCGGCCGAGGTACCGGTGCCCATCACCAACGCCACCCTGGACCAGATCACTG
GCAAGTGGTTTTATATCGCATCGGCCTTTGAAACGAGGAGTACGCGGGGGCAGTATAGG
AGCTGAAACAAAGCAGAGCATCACCTTGCTTGACCTCAGCTGGGGACATGTGCATCAGAT
GATTCAAATTTATTTATTTATTTATTTTGGAGAAGGAGTCTCACTCTGCTGCCAGGC

Table 2

TGGAGTGCAGTGGCGCGATCTCGGCTCGCTGCAACCTCTGCCTCCTGGGTTCAAGCGATT
CTCCTGCCTCAGGCTCCTGAGTAGCTGGGACTACAGTTTGAACAGCTGGAAATAGCTCCA
ATGGATTGCTATGTTGATTTCTAAACTGGAAGAAAATCTATGACCTACATTAAATGAA
ATTGAGATACCAAAGATTCTTGGTGTAAAGAAAAAAACCCTG

Sequence 2252

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACATTACTGAATA
AGCTCTGGAGATAACTCAATTATGCCAGAAGCTGGTCAAATTTTAAAATAAAAAATAAACCC
CTAAAGGAACATACAAATTTGGCAAGGGAAAAAACCTAATGTTTCGATTGGAATCAATTC
TTTGATAGACTACTGAGCTGTAGGATTAGAGGTAATTTATTATATAGAGATATTAGGATT
GGCTCTTCTGTAAAAAGCTAATTTACTGACAACAGATTTGAATCAAAGTAAGGGATTTCAT
AGGTAAACTATGAAC.TTTCTCCCTAATGCTTCATTCCCTGTGGGTAATTAATGAAAGA
GAAACTTTGCTTGAGTGTTTCTGGGCATCTTGTCTCCTACAACAGGTGTCAAATTTCTCC
AGGTGAATGCTTACCGGTAAGGGATTGGATAAGGAATGTTGCGGTGAGGATCGTGCAACT
GGTGGAACACTTCTGCCAGGGCTGGTTCTTGGCGCGCTTCCCCCANCAAACTGGCCAACA
GGGAAAAACCGATATGAATAATTCAAACAGTACCTN

Sequence 2253

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAATTTATCAAACCTGCCCCGAGACCTGATAAC
CAAATCCAGCCTCCAGGGAAACATGTATTCATATCTTGCTCACACATCAGACATAGTTAA
CAACTGCATGCTAAGCATAGCAATTAATTCAGCTGTGTTTCAACAGGTCCCATTGGATT
TCTTTCCAGAGAGGACAATTAGTAAACCACAAAACTCACGGGGTGTGACCAACAGCGAG
ATGCC.TTTGCCGAAGTTGAGTGCATACCCGGAATTTGAGTTCACAGTGCGTTCTCCCTA
AACAAAAAACCCCTTGCAGTAGCCACCATGTCCCTTCTCCTATGATTCTATTAAAGCTA
ATGTCTGAAAACCAATCACACAGCAGTCACACAGACTGTGGGTATCCATGGGCCCTTGA
TGGTGTAAATAAGCTTCCCTCTTCCATGAGACCATTGCTGACAAAAGTCACCACTCCCC
ACAGTGATGTGGGTGATCAATATTGAAGATCTGCCATCTGAGGGAGGGG

Sequence 2254

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCGTCCAGGATCTCCAGG
TCATAGCCATCAGCCAGACACCAAGTTGACGCTTGTCTCCTTAGTCTTCCCGGATTGCCTT
TTGGAATCATATATGCTGACTCTGCCAACCTAGGAATCCCAGAAGCAACGGGAGAAAGAT
GGAAACCTTTCAGGAATAAGATTCTGAAGCAGGGACTCAAGACTCATAGGAGAGAGGAAG
TGTGGGGTCATGATCTTCCCTGTATTTAGGGTTCTGTTTGGCTAAGACTGAGCACCCCT
CTANACATACTAACTCCACCTCGATTCAAGATTAATTCAGACTAAGAGAAGAAAAGCCC
TTGGCATCCAAAAGGAAAGAAAGTTTAAAGTTCTTGGGAGACCAACCAATGTTGGTGCTG
GGCCACTGTGGGCAATGTTGCTTGTGGGCTACCACTGTGGGCAATGTTCCCTTGCCCA
CAGTGTACCTGCCCGGGCCGCGCTCTAGAACTAAGTGGATCCCCGGGCTTGCANGGA
ATTC

Sequence 2255

CGCCCNNGGCAGGTACCNGATGAGGCCACATGTGCTTAGCATGGAAGTGAGGCGAATTGAT
GCAGCAGGCAGGCTTTCTGTGGCCTCTGAAGGGCCGTGGTGTGAAGGAGGGATTAGTTA
TACTCCTTGTGGCTTTAGAAACCAGAAGTGGGGTCCATGGGTGGGCTTGTGTAGAAGAG
GAATTCAGCTCAGGATAAAATAGGCTTTTCTAGCAGTTGGTAGCAGCTCAACAAGCAATG
CGCTGCCCTCCAGAGCTGGGAACATATGAGGATTATTTAGAAGGATTTGTGCCTCAGATT
TAGGCTCGCCCACTATTATTTTGTATGGTAAGTCTGAGTCTACAATCATGTTGAGATAGC
CATGTGTTCTTTCCTGTAACTTCTTAATATATGATTAAAGCTGTTCTGAAAGCTGTTGG
CATTGAACTCCATGTTTATCGAGTCGACTTCAAATATTTGAAAGGTGTTGGTAATGGTTG
TTATTTGCCCAAGAAGCCCTGAATCCATCTGCTGGGTACCTCNGCCCG

Sequence 2256

AGGTACCAAAAAGACTCTCAAAAACCAATACTCCACGGGCAAGGGAATAGCCAAGTTTG
TTGCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGTCTCAATCAAATGGGTTTCAGTT

Table 2

AACACCATCAGTTTCTTCTCTCCAGATCCAGTTGAATTCTTGTGGGCATTCTGGATA
GCTGGAACAAGCTTAGACATGAGCCCAGACAACTTGCAAATTTCAAGGAATTTCTCACTG
GTGTATTTTCATAGGATGCTCAGTGAAAGTAGCATAAGGAACTTCAGTGGACCATGGGTTCC
CAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCAAGTAGATCCTAAGGCCTTCTCC
TTGTCTCTTGTCCAGGGACATCCCAGGGAAGGTGAACTTGCCAGGCAGATGCNATAGAC
AAGCGCTCAGAGGAATCCCGCTGCAGCTGCACACAACCTCANCATGATGAAGTCGATTTTG
CAGATCAAGAGAATCTTGTCTGTGACCAGTAGAATTTCTCTTCTCTCATTGGTTCCAAG
TGGTCTATCTTTGTCAAAGAGCCNAGAAGCCTTGAATGGTCTCTCCAGAAGTCTCAACTT
CCGTGACCTTCAAGTCTTTCCATGGCAGTTTAAATGGCCCCCGCCCCGATCTAGAAGTAG
TG

Sequence 2257

GGCGAATTGGNCTCCNCGCTGTGGCNGCCGAGTACCAGGNTGGAAAGTGGTATGTGTCTA
ATTGCAGGGGGCGGGGGTAGGGGGGAGGCCAAAGGATTAACACTCTTTAAATAGACATCAG
AAAATAANAATANCCTTGCTGCCTGGTAATNGATGGGCATTCTGACTACGGGCCACAC
ACTCAGNAGGTGCTCGATAAACATGGGTGAAATACAGGAATNAACAAATACTGAAATGG
GTCATTGGGTGAGCACTTAGCCAGTAAAAATCTGNGCTTTGTNATAAAAAAGAACTTTGG
ACTGAGGGTTATATGAGTCTTCTGANGCTGGGANACCTCTGTTNCCTTTACTTCTCTA
CTTTTGTGTTGNCTTGAGACCAGCTT

Sequence 2258

NGGGACACAACTTTTTCTTAGTCTGTATACTTTCTGCTGTCACTAGCATAACAGAAA
AGACGAATGGCTTTTGTGTTTAACTGAGGGCACTTTTACAAAAGTCATCTTCCATTTAT
TTTTCTTTTCAGAAAAAGAATTTGGGTTTTGAGCTTTTTTAAAAAAGACAAACAC
TTTCTTGACTTTGAGAAATAATTTAAGTCAAGGAATCTGCTCTATGCTANCCAAGANAT
AGAGCACAGCAAAGATCTGCCAGCCCCAGGCCTCTACCTAGTGGTCTGGAAATCAAAGA

Sequence 2259

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGGGAGAGAACTAGGCGCTAGGACA
GCTCCAGGTGCGACTCCCCGCGTACTGACTCAACTGCACTGACCATGTTGTCATAATTAG
AATAAAGAAGAAGTGGTCGGAATGCACATT

Sequence 2260

CGGCCCCGCGGGCAGGTACCATTATTATCCCCACTTCAGAAATGAAGAACTGAGCCTC
AGAGAGGGGAATTCATTGGCTTGAAGTCAGCACAGCTGGCAAGTCTGTAACCAAAACCTA
AGCCTGCAACTTCTGCTGTTCACTGCTGCCTCCACAGCAAAGGGACTTCAGCTACACCA
CTCAACATCTTGTGTGACCAGCCATAGGGCAAATATGGCCATCCCGATATACACACACTG
TCCTCAGTGCACCTTCAGGATGCCTTCCAATTTAAGGAGCTCTGCAGGGCCTGGGGGATCT
AGCTGCCATTTCCAAGGCTGGCAGGGCAGAGCAGAGGTGGAGCCTGGAAGGAGGCCACTT
GGTTGTAGCCTCTTGCAAGTGCACCTGGCCACCTGAGGCACCTAAGGGCCTN

Sequence 2261

ANGTACGCGGGGGCAGTGGAAGCTCNCAGCAGCTGGGGAGGAGCCAAAGCCTCGNGCT
CACCTAAGCCGNAGGGAGGTNACCCCACTGGGAGATGGGGAAACAGCAACCCATAGAGG
AGAATAACCCACACAGGATCATTTTNTGAAGGANCAAGGNTGAAGAACCAGACCTGGAC
TTTCTTAGGACAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCNTGTGAA
GGAATATTTCTCCTGGCTCTACTATCAATACCAATCATTAGCTGNTGCGCTGTTTTAGA
GCCCTGGGAGCGATCTATGTTTAAACACCATCTTACTAACCATTATTGCTATGGTGGTAT
ACACTGCCATTGTCTTTATTCCAATCCACCATTCGCTGGCTTGGGAATTTTTCTCAA
AAATATGTGGATATTACANTACCTGCCCGGGCGGCCGCTCTAGAACTAGNGGATNCCC
CCGGGCTGCAAGGGAAATTCATTATCAAGCTTATCNGATTCCCGTNCGACCNCNAGGGG
GGGG

Sequence 2262

Table 2

AGGTACACTCTGTGATGTTTCATACGGCAAAATCTCCTGACACATTTCAGAACGTATCC
TCGTTGATAAGTGATGCGTAACTGTATTCCTGAACGGAATGGTAAGGAGGCCAGGTTAAT
CTTTCAGAAGTGAGAAAGTGGAGAGGAGATGAAATCCCTGGACTTAATATGGACAAGAGC
TGTGGGATAGATAGCTGAGTAGTGAGGAGGTGACTTGGCTCGAGGGCCCCCAAACAGACC
AGGGTGGAGGTGGCCGAAAACCTGTGACAGGGCAGGTGCAGAGCCTAAAGTGGGACGCTCA
CCCTTATTGNGGAATATTTGCTGGTACCTGCCCGGGCGGCCNGCCGGGCAGGTACCTTCG
GTGAACCAAAACATTTNTGGCATATTAATTTGAAGTGTCAAATGCATGCCCTTTCTTTG
ATNTATGATCTAATAAGCCCTTTTCTATCTCTAATTTCAAANGATTTTGNAAATCCCCA
AATTANTTTCCCTTTTGTGGGTGNGAAGAATTTTTTTCTTTTCTTCCTCTTAAACTTTC
CCTNAANNNTNAAATAAAGGTTTTNATTAAANTAAAAATNCCANNNGGGATTTNNNTTTAA
AAANNAAAAAACCTTGGGNAACCNNTCCCTTTTTTTT

Sequence 2263

CCGCGGTGGCGGCCGCGCCGGGCAGGTACTTCTTTTTTTTTTTTTTTTTTCTTCAGC
CCTGCAAGGCGGGAATGCNCTGCACTGCTGCTTATCACTGCANGGCGGNAATGCACTGCN
CTGCTGCTTATCACTGGACATNTACCATCCTGTGCTTGTCTGTTAATCCTAACAGCC
CCTGCAANAAGNCCTTTATTTAAGTCTNTACATTTGACTCATCTGGGGTAATTCTGCTCC
CTTCTGGGACCCTGACCACTTAACCGNTAAATCTAAAATGGGGGTGTTGTCTCATGAAA
AAGCANATTTGACAATACCAGGTCCATATTTGCACATCAAAACAATGACCTAGAGCAGGA
AACAATTGCNTCCTTAAAGCCACTGCTTTNTCAGAGGNGGTAATTGACAGGGAATCTTG
TTAAAATGAATATTC

Sequence 2264

AGGTACTCTTACCCCCAGTGTGGACGGAACAGAATCTGGCTACACGGTGGCCAGTGATGG
ACTGCTGGGAAATCTGCTGGCCTGTGGTCTGAGTTCCCCTACTTGCTCAGGCTGCCCTC
ACTCCCAGTGTGCCAGGGAGGCTTAGTCCGGGGAGCATCAGAGCAGAAGACATTCGGGGC
TCATGGCTCCCATCCCCACTGGCCTGTATCTTCAGCACCCCTCTGGCCACCACCAGCTTG
GCTCTAACTGCAGACTTTGTTCTTGGTGAATTGCTGTAGAACTGGGAATGAGGTGTGCC
TGGGCACAGGGGCACTGCCCCACCAAGGTGGTGGCCACTCCACTGCTGGGAAAACGAAGT
TACCTAGCGGAGCCTGGAGCCCCTGGGTGGTCACTAATTTAGCACAGGCAGTGACAGT
TTTGTGCTTTTTTTTGG

Sequence 2265

CCGGGCAGGTACTCACTTCAGCCTGGCAAAAGAGTAAGACCCTGTCTCAAAAAAGAAAA
AAAAATTGGTCATGTCTCAGACCAATTAATCACAATGTTCAATGGTGGGATCTAGACAT
CAGAGTCTTTTTTTAAGCTCCCAGGTGATGCTGATGTTAGCCAGTTTGAGAAGCAC
TGATCAGCACTTTCCAACTTTAATGTGCACACAGATCACCTGGGGATATTGTTAACCTG
GAGATCCCTATACAGTGGATCTGTGGAGAGGCCTAGAGGTCTGCATTTCTTATAAGCTCT
AAGGCGATGCANAAGCTGCTTGTGGGTGGACCACTTTGAGTCCAAGAGCTACATCAGCCC
TCCCCTCTGTTCTCTGATTCTCTTGGGCTCTCAAGGCTGCGGGTGGGCCACAAAGC
TGCAGCTGTGTGAGAGGAGCTTCAAGCCGAGTCATTGCTGCTTCATGTCACAGG

Sequence 2266

CCGGGCAGGTACAACAAACGCTCCAGGAAATGGAAAGCCAGTTGGCAGCCACATGTGGT
TACCTCACACCAGTCAAAAGTGACAGTGGAGAGGTGAGTTTTCACTGACATTCATTAAAG
TAAACATTACTGTTTTTACCCACCAGCTCCACCAGAAATTTCAAAGTCTTAACATTAGGA
TTTATTATTTGGGGGGGGCCTCATTGATTTTTGGTTGAGCTAGTAATTCTGTACCT

Sequence 2267

CCGGGCAGGTACAACTTAGCTGCCATAGAGAGCTAGCTGGCATCCCTAACCCCTGCAGCC
ACTGTAGCTCTATTCATGCCCATAGTCCTGTCCAGGTTCCCTGGCTTACCCATTACTTC
ATAAGCACCAACATGCAAGTGGGGGTGCCTTCATCCAGCACCAATGCCATTAATGCCTT
GGATCCAGAGCCATAGTCCCTCTGCTCATGCTCATACTTCAAGACTTGGCTCTATGGCT
GCTTACATGCCACTCATCAGACACCTGTACCT

Table 2

Sequence 2268

ACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTNGGNTTGAGCTCCACCTTTTCAG
TGAAGCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATT
ACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGTGTGC
C

Sequence 2269

CCGGGCAGGTACGCGGGAAGGAAAATCACACGGGCTGAGAGTCGCTGGCAGCACAGCTTG
AAATGCTTCTCAGATATTAAGCCTGCTTGCTTTCCAGGTGGGATACACTCGCTTTCCCT
TTTGACAGTAATGCATGTTTCCCCATTAGACAAACCTGTTTACTACATTCATCAAGAAA
CCCAATGATGCTGCCTCTTCTGCTTTGCAAATTATCTTTTACACGCGTGACTCCCCTTC
TTAGGCAGATGGTTTACCAAGTGCTACTTATTTGGTTTGGCTTTTACTATTTTTGAGG
ATGACGTCATTAATCTATTGCTGGAATCTGGGAGAGCTGCTGTTTTAAAGACTTACTGGG
AGCTGCCACGCTCTCGAGCAGATAAATGTGGGAAGAGCCCTCCGNGGAGGAANCGGAANA
ATTTTTTTTTNGCGNGGANCCCGTTTTTGGTTTTCCCCGGGGGAAAAAANTTCCCCCCCC
CCCCCNGGGGGGGGGNNCCCCCNGAGNAANNAANAACCCCCCGNGNGGGGGGGGGGG
GCCTTTTTTTTTNGGNGGAAAAAAACCNNCNTTAANAAAAAANNAGGNGNGNNGGTTTTT
TTTTTTNAAANANAAANANCNNNAACAANGGGGGNGGGCCNNCNNNTTNTTGANGNGG
GGGGGGGGGGGGGGGGGG

Sequence 2270

CCGGGCAGGTACAGCCCACGGAAGTGTGAGCCAATTCAATCCCTTTTCTTTTCAATTAC
CCACTCTCATGTATATCTTTATAGCAGTGTGAGAACAGATTAATACACTCCTCCTCAGAA
AGCATTCAATTTAGCTGTGTCTAAAGTATGCCAGGTGTCCTAGGGTGTTATCTTAGCCAA
TAATTCTTCTCTTCAGCAAGATCTATTTGCCTATGACAGCTTGACCTACAGTTCCTACC
ATACTTGTGAGTAACAAGTAGCCCATACATCTGAAGGGACTTCATTGAAATCACAGAGG
TTCTTTAGTTCTTTACCTCATTAGTAGGCATTAGGGAAGCACATCAACTTTCTAATTTAA
TAAGGTGCCTGTTGCTTTGAAAACTGCTCAAAAAAAGATAGGAGAGGCTTACTTAAAGA
TATCACTATAGGCGTGGCATGCTGCTTACACCTGTAATCCTAGTACCT

Sequence 2271

AGGTACGCGGGATATTTATTAATGCGAATTGAGAGCTTGTTGCTATCCCCAAAGACA
TCATAGTCAAGTGAAGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
AAAGTAGGGGGAAGCAGAGGGTGAAAAGAAGGGCCTGGAGGGAGCCCTAAACCCCTCCTTG
CAGAAGAGGTGAAATGGAACATTCCCTCAGCTGCCTTTGGAAGGATCAATATGACACTGA
GAGCAGCTTGGTGAGAGTTTGAGAATGCATAGCGAGTTTGGGGAATTTTAAAGAGCTTAG
TATGGCTGAAGTTTAAAGGACAAGTGGGAGATTGTGAAAAAAAAAAAAAAAAAAAAA
AAANGTACCTGCCCCGGCGGCCGNTCTAAACTAGTG

Sequence 2272

AGGTACACGTGGTCTTTTTCAATTCTAAGGGAAGTCAGAGTTCACAGAATTAATTTAATG
GTAACATAAAAGAGGCAATTAAGTATGTTGCTTTGTCAAAGTACCGAAGAATAACAAAT
CCAAGTTTTCCAGATTTGGAAGCCAGAAGATAAAACCAATGTAGGAAGAATAGAAAAAA
ATGAATAAAAGAACAAAAGAAAAAGGAAGCAGCAGTTACAACAAAGCAGAAAAAACATG
GAGGTGCACCAAGTAGAGAATGGGAGGGAGGAAAGGGCTGATAGCTACTTTCAAAATATG
CAATAACTTCAGAGAATACCCGCGTACCAGCAGAAGCCAGGCCAGGCCCTATATTGGTA
ATATATAA

Sequence 2273

AGGTACTTAAGTGTCCCCAAAGTGTGGTCCCTGGGCCACTAGCATCAGCATCACCTGGAA
ACTTGTGAGAAATGCAAATCTTGGAGCTTACCCCTGATATATTGTAGCAGAAGCTCTAG
GTCCACCAATCTGCATTTTAAAGACCTCTCCAGCCAGGCATGGTGGCTCACGCCTATA
ATCCAGCACTCTGGGAGGCCGAGGCAGGCAGATCACCTGAGGTGCAGAGTGGGCATTGC
TTTCCAGATGGATAAAAAAGCAAAGGCTAAATGTAACATAAATGAGGAGGATCTTATTT

Table 2

GCACAGCCACTTTCTGTTTCGTCATTGGCCACGATTTTCAGCAGCAATCACAGCCGCTGGT
TATTTTCGCTGTGGAGTGGGAGTGGAGATTGCTAGTACCTGCCCG

Sequence 2274

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTC AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGGATTGAGACCTA
CACAGGGGCTGATGTCAATTTCAATTTGGAAACCCGCAACAAAACCTGGCTATTTCCCTTT
GCCCCGTGGGGAAGTATTNNGTTTTTTGAAGAAGTCTTTTTTTTGGTACCTCGGCCNC
TTCTAAGAACTAANTGGGAATCCCCCGGGCCTGCAAGGAAATTCGGATATTCAAGGC
TTTATTCGAANACCNGTCCGACCCTCNGAAGGGGGGGGGCCCC

Sequence 2275

CCGGGCAGGTACTTGAAAAATGGACAAGGATTGTGAAATGAAACGCACCACACTGGACA
GCCCTTTGGGGAAGCTGGAGCTGTCTGGTTGTGAGCAGGGTCTGCACGAAATAAGCTCC
TGGGCAAGGGGACGTCTGCAGCTGAGTAAGTATGAGCCACGTGATCCTGTATACCGCAC
ATGCTGAAGCAACCGAGGAGTATATGTGATAACGGCATGTTTTCCATTGATGGCAGGGTA
ACGCATAGCCTTACCCCCACAACCGCAACCACGAGTCCGTCTCTCAAACAGCGTGCTGC
GACGGCTCCTGCATTTGCAGCTTCCCTGTGTGTGCCCAGGAGCTCTCCACCTCCGATGA
ACCCAGGGCCGTCCCTTCATACCCTTTCATTAGTAGCTCTAAGATGTTTGATTAAGGTG
TACCT

Sequence 2276

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCACCTTT
TCAGTGAACCTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCTTCAACCGGAACATC
CAGGTGGACACATAAGGATTCTCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAACCATTACCCAGGAGTGGCAGACACCCAGGGGAATCCCCCTCAAGAA
AATGAAGCCAAGGAACACCATCTGAAGTTCTGACGGCAACATCAGAAGCTAAGAGAAAGG
CATGGAAAAGATTCTCACCTAGAGCATCCAGAGGGAGAGGTTGGTCTGCAGACACCTTG
TTTTCTGACCTCTGACCTCCGCAACTGTGAGGGGAAGAAATTTCTGTTGCTTAAAGACAC
ACAGCTTGTTGGGTACCTGCCCGG

Sequence 2277

AGGTACCTCAGTCTAGTATTGTCTGTTTGTCTAAAATTGGTTCTAAGGAATCTAGGCTAG
TCTGTCTATCCCTTTCAACTTTTGTGAGGCTGCACAAATGTAAAATGTTGAATAAAAAGC
ATTGATGGAAGTGTGTAGAAATCTTCTGTTTGTCTGTTGTAATTTTAGTTGCAGTGCA
GCCTGGAGAGCAGCTTCTTAGTCCAGAAAGAAGGACAAATACCCCAAAGCCATCAGCGA
GGAGGAGGAGGAAGTAGATCCAAACACACAGAGTAAGTCTCAGGACCCATTTTCTTA
CATGTTGTTCTCCAGGACTTAAAAATCATTACAGAGACGTGCACCGCGGTGAGTGTGG
ACTCCTGGAAGCGCACCGTAGCTCCGCTGTGTCTGCTGCTCCTCCCTAGCTGTCAGGGA
GGCTGTAGTCCATTGCTTTGCCAGCTCTTTTGTTCGAGTGAACACCTTATCCGTACCT
GCCCCGGCGGC

Sequence 2278

AGGTACCTCAGTCTAGTATTGTCTGTTTGTCTAAAATTGGTTCTAAGGAATCTAGGCTAG
TCTGTCTATCCCTTTCAACTTTTGTGAGGCTGCACAAATGTAAAATGTTGAATAAAAAGC

Table 2

ATTGATGGAAGTGTGTAGAAATCTTCTGTTTGTCTGTTGTAATTTAGTTGCAGTGCA
GCCTGGAGAGCAGCTTCTTAGTCCAGAAAGAAGGACAAATACCCCAAAGCCATCAGCGA
GGAGGAGGAGGAAGTAGATCCAAACACACAGAGTAAGTCTCAGGACCCATTTTTTCTTA
CATGTTGTTCTCCAGGACTTAAAAATCATTACAGAGACGTGCACCGCGGTGAGTGTGG
ACTCCTGGAAGCGCACCGTAGCTCCGCTGTGTCTGCTGCTCCTCCCTAGCTGTCAGGGA
GGCTGTAAGTTCATTGCTTTGCCAGCTCTTTTGTTCAGTGAACACCTTATCCGTACC
TGCCCG

Sequence 2279

TCCTACAACCAAGAACCTACCCATAGAACTGAAGCAGGAAGCTGTGTCCATGCTCCTGAC
ATGAGAAAGTCTTGCCAATGGGGAAAGACAGGGGAAACAGAGACTAGCTCAAGTCACAG
GGTGAGTGTGAACAACTTACCCAGGGAGGACATAAGTGCCAGGTTCTCCAGAGTCACATC
ACGGTACCTGCCCG

Sequence 2280

CCGGGCAGGTACAACCTGTCCTTGCTACCCTCAGACTAATAAAAAATCCCAAACCTAAGT
GCCTTATTCACACCTCAAACCTGCAGTTTACCCAAGGAGAGGAAGCCAGCCCATCCTCCAT
GGGTCCCACAACTACCCACTGCTCCTCAGCAGACAACAAACCCCTAATTGGCCAAAAG
TAAAGATCTTCCATCCTGGGCTGGCTGCACTGAGTAATTGCTGACCTACATCTCTCTGAG
ATGCAGCCCCCAGAAGACAAGCAAAGAGATAATGCAGCAAGCCAGCTCATGTGGTGGCCA
GAGGGTTTGGTGCAAGAGCATCTGTAGTAAAGTGTGGCCAGTGATGGCCATTTCTCTAGG
CTCAACTGTCTCCATAAGAGACTTTAGCCCTACGGGAACTGTTGGGCCAATTTCTGCA
GGATGGTCTTGCAAATCAGAAGAAGCTGGTCCAACCTGAGCACTCCTTGGTCTGCTGGCCT
CTCCAGGGACCCAGTCTGGCCACAGCTGCTTACAGGGCACTCTTAGATGCCACACTAT
AGCTGCCGTGCTAGTGGACTGTACCTCG

Sequence 2281

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACCTGAGCATCCTATGAAATACACCACTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGANGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTAC
ACAGGGCTGATGTCAATTCATTGGAAACCGCAACAACTTGGCTATTTCTTTGCCCGTGG
GGAGTATTTGGTTTTTTGAAGAAGTCTTTTTTTGGGTACCCTCGGCCGCTTCTAANAAC
AAGNGGGATCCCCCGGGCTTGCAGGAAATTCGATNATTAAAGCTTTATCCGATACCCGN
CACCTCGAAGGGGGGGG

Sequence 2282

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACCTGAGCATCCTATGAAATACACCACTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCTACAAGAATTCGACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTAC
CACAGGGCTGATGTCAATTCATTGGAAACCGCAACAACTTGGCTATTTCCCTTTGCCCC
GGTGGGAAGTATTGGTTTTTTGGAGAAGTCTTTTTTGGTACCCTGCCCG

Table 2

Sequence 2283

AGGTACGCGGGGAGGTGGATTGAGAGATACCTCCCTCCTTCTGCTCAGCTGCCTTGCA
GTAATTAAACTCTTTCTCTGCTGCAACACCCCTACTGTTCTCCGTGATTGGTTTTCTG
GGCAGCAGGAAGGAAAAGCTGATGCGATGCTCTCAGTGCCGCGTCGCCAAATACTGTAGT
GCTAAGTGTGAGAAAAAGCTTGGCCAGACCACAAGCGGGAATGCAAATGCCTTAAAAGC
TGCAAACCCAGATATCCTCCAGACTCCGTTGACTTCTTGGCAGAGTTGTCTTCAAACCTT
ATGGATGGAGCACCTTCAGAATCAGAGAAGCTTTACTCATTTTATGATCTGGAGTCAAAT
ATTAACAACTGACTGAAGATAAGAAAGAGGGCCTCAGGCAACTCGTAATGACATTTTCA
ACATTTTCATGAGAGAAAGAAATACNNGGATGCCTCTCAACTGCCACCTGCCTTTTGACTT
TTTG

Sequence 2284

AGGGAGTCGACCCACGCGTCCGCCGTGTTGGCCGTGCTGTAGTAAAGGAACTAGATCCAG
GAGGGTCACCAAAGTCACGTAGAGGCCCTTGGTAGTCCAAAGAAGGGTAGTCTGACAACTG
AGCATCACGACTTTGCGGGCCGCGTTCTGAGGGAGCATCTCGCAGGACGCTGTAAAGGAG
GGAGCGAGTAACAGTAGGGTTGATGGAAGTACCTGCGGTCTTAGAGATGGGGTGAGTGG
GAATGGCACAGGAAAAAGACACATGGTCATGGGCACTGTCAAATTGGAGGCATCTTGGTT
TTCTTCTTCCCTGTGCGGGACAAAATGCTGTTGGGGGGACAAAGAAAAAAGAGACAA
CAAAGACACAAAGAACAGCACATTACATTGAAATGACACTCTAAAACAAATAATAAAACA
CCAGATACATTCCACATAAGATGCAATTGCCACGCCA

Sequence 2285

TAGGGAGTCGACCCACGCGTCCGCCACCTCACATGTTGATTTCCAGGTCACTACAGGAGC
GGAAGAGAGCAGGCTTCTTCCCGTGGAAGAATTCCCGTGGCCCCACCCACTTCCCC
CAGTGCGTACGTCAGGCTCCAGTTCACTGTGGGATGCCAGACAAGCCCTGGGCAGGTTCC
CCTCATCGACCCAAAAGCATCTAATGTAAACATTCTTGGGACGCTTGGAGATTCTCCAGG
GACCCCATTTTATCTGCCTAAGCATTGGCTGTCTCATGTAAAGGTATCATCCAGCCCTC
GTGGCTTGTGATGGCCATTTCTGGTTGCGTGAGCATTAGTCATCTGTCTCTGATTGTG
GCATGCCATGGTCTCTTGCAAGGGCTTTGTTACAAGGTATCTGCATTAAAGATAGCCAG
TCATCGAGCGTTGCGAACAGCCCCACCCAATCGGGCCTGGCCAGGAGATTTCACTACTGT
GATCTTAAGTCTTTACCAGAGCCCTTATTAGAACAAGTTAGATGCAACCGGGGCACGGT
GGCTCATGCCTGTAATCCCAAGCACTTTGGGANGGTGAGGCAAGCGGATCACGAGGTCAG
GAGTTCAAAGACCAGCCTGGCCAACATAATGAAACCCCCGTCCTGCTAAAAACACACAA
AAAAAATTAGCTTGATATTGGTGGGGGGGCGAACTGGCAGTCCCAGGCTTCNTTAAGGA
NNCCTTGAAGGCANGANAATCCNCTTGGAACCTGGGAAGGCGGGAGGTTTGCCATTGA
NNCTTAAAAACACCCCTTTTNCNCTCCAACCTTTGGGAACAAGGGCNAANNAATTTNC
GTTTTAAAAA

Sequence 2286

TGGTCGCGGCCGAGGTACTTGCCTTACTTTGTAGCCTTCATCAGGGTTTGCTGAAGATG
GCGGTATATANGCTGAGCAAGAGGTGGTGAGGTTGATCGGGGTTTATCGATTACAGAACA
GGCTCCTCTAGAGGGATATGAAGCACCCGCCAGGTCTTTGAGTTTTAAGCTGTGGCTCG
TANTGTTCTGGCGAGCAGTTTTTGTGATTTAACTGTTGAGGTTTAAGGCTAAGCATAG
TGGGGGTATNTAAATCCCAGNTTGGGGTCTTANCTATNTGTGTGTTTCAAGATATGTTAA
AAAGCCCACTTTTTCGAAAANTCTNATTTTGNNGTCCAACCTGGGAGTTTTTTTANCA
AACTCCAAGGTNGAAATTTNTAACCNTTTANTTGGGGGGGANGGGGGGTTGGANTCTT
AAAAACAACCTCTTTTAAACCCCCGGNCTTTTANTTTNAACTTTGGGGGNTTNAAT
TCNNGNGTTGACCCCGCCGGGTTGGGTTTNGGCAACNNAATAATTTGACCCCAACCCCC
TGGGGGGNTTAAANTATTAGCCNTAAAATTTAAACCNTTCTTTTNTATTGGATNAAAAN
GGGTNAANTNAANTTNTGGTTTTTCCCCCTGNGGGGTTNNNGGNTTNNGGNTTNAANC
CTTTTTTGTAGCTTNCNATTNGNTTAGCCAGNCTTTGAANGCCTTNNCCCCCTCTCTTT
TTTTTTTTTTTTTTTTCCCCCTCCCCNTTTTTNCCCCCCCCNTTTTTCCCCCCCC

Table 2

CNTTTTTTTTTTINCTCTTCCCCCTTTTCCCCCCCCCCCCCNNTTTTTTTTTTTT
CCCCCCCCCTTTTTTTTTTINCCCCCCCCCNNTTTTCTTCCTT

Sequence 2287

AAAAAATGAATCATTAAATTTCTAACTAAGTACTCTGTCTATGCCTGCCTTTTACATCT
ACGAATATTAGCTCCCAGAAGCTACATACACTTACAAAAATGGTGAAATCTTACTAAATA
TAATTTAGAATTATCATGGCCATTTAACAACACTACACTTTAAGATGTACATTTAAAAAT
GGAGGCTCCTGGCTGGGCATGGTAGTTACACCTCTAATTTCAATGCTTTTGGAGGCCAA
AGCAAGAGGATCACTTGAGGCCAGGACTGGGGCAACATAGCAAGACCCCTTCTCTACAAA
AAAATTATCTCTACTTGGGGAGGCTGAGGCANAAAGGATCACTTGGNGCCCAGGAGNTCA
ANGATTACNAGNGGNGGCTANTGAATCATTGCCANCTTGNANCTCCAANCCTNGGGGTAA
ACAAGAANTTAAAGACCCTTTTNTTTTTNAAAAAAAAAAAAACCTTAAAAATTA

Sequence 2288

CCGGGCAGGTACTTCCAAATTTTCATCTTCCCTGGGATGCTTTTCCCCTTTCTTAAACA
GATGTATATGCCCATCCCTGTGACCAGTGTGATGGAACCAAGCTTATTACAGACAGAGC
TACTAAGNGGGCATAACAGACACAGATTCTACCTTCTATGAGTCGGTCTATTGAGAT
TTGTGGTTCTTCTCCTCTATATTAATCTCTGGNTCTTTTCTTAAAGACTCTCAATGNA
ACTCTCATTACTGACAGTGTCTTACAAATAGGTTACCATGACTGTGGAGTGGAGAGG
CTCGGGATAACCATGATCACTCACTTTACCCAGTAAGCGATGGAGCCCATATCTGNCTG
CAGCAATGCCTCTTCCAAAGTAATGTTTGCCAGTTT

Sequence 2289

CCGCGGTGGCGGCCGAGGTACGCGGGGAATAACAGCGGTGGGAGTGAAATCAAGGAGAA
GGTGGAACAAGTGAGGCTTAAAAAGAGCCCCAAGGAGGATGGGAAGAAGAAATGCCAGATG
GAGGAAATAGAAATACACAGCACAGTCAAAAGAGGAGAGGTGGCAAGAATGGCAGGGCAT
GTGTCTGCCAGGGAAGGGTTGGTTGAGGCCTGCACTCAAGACCTTGGCAAAGCAACCAGA
GCCAGAAAGAACCATGAGAGAAGCTTTCAATGACTTTTCAGACACTTTGTCTCCTTTTTT
ACCCTTCTCCTCTCCTGCTTTTTTCCCCATCTCCAAGTATATTTGGGATGGTGGATGCC
ATTGCCACACAAAAACACTTGGGATTCTTCTGATACC

Sequence 2290

CGCGGTGGCGGCCGAGGTACAAAACAAATTCAAAGGGTTAAGAATTTCAAGTTGGTAGCT
TCAGAGCATTAAAGCCCCAAATGTGGGGTCCCTTCTGAGCCCAGGATTATGTGTGACTGCA
CTGGTCACATTGCCATGAAGCCAGCCCTGGTGGTTGGTAGAGGGTGGGCACTGGACCTA
AGCGGGGCCAATCAGAGCCATTCTGAAATGGATATATAAATATTAGGAATGCAAAGTT
ATTTATTTTGTTAGAGTTTGAACAACGTGATCTGTAAAAAACAGTCACATTTNCTTAAG
GATGCATCAATAAATATNGAGCTNAAATGTAATAATTAGAACTTTTNGGTTTCNCAAGCC
AGATTTCCATGCTTCTAAATTNCNCTGGGATAGGTNGAATATAAATAAAGAATGGATTNT
TCTCCANTGAAATAAAGTTTACCTTTTTANCATTTGNCCNAAAGGGGACCAGGATGTTA
AATAAAGGCNTACCTTAAATCAAGTTTGAACCTTAAAAAATAAAGGG

Sequence 2291

CCGGGCAGGTACCACAAGCTGTGTGTCTTAAAGCAACAGAAATTTCTTCCCTCACAGTTG
CGGAGGTCAGAGGTACAGAAAACAGGTGTCTGCAGGACCAACCTCTCCTCTGGATGCTCT
AGGTGAGAATCTTTTCCATGCCTTTCTCTTAGCTTCTGATGTTGCCGTCAGAACTTCAGA
TGGTGTTCTTGGCTTCATTTTCTGTAGGGGATTCCCCTGGGTCTGTGCCACTCCTGG
GTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGAT
GAATCCTTATGTGTCCACCTGGATGTTCCGGTTGAAGAGCTNNTGTCTCACCCTCTTTC
TGCTATTTGTGAGAAGTGGCACACACTANCCGCTTTTGTAGNTCAACCATCTTGGCCCCAC
CTNACTCACTTTTNTCAAGTTATTCAAAAAGACCAGAAAAGGGATGTNCTTTACAAGAGC
AGATCCCCCAAAATGTAANGAGTTCACCTGAAAAGGTNGGGAGCTTAAACCCAAAGAG
AAGGACCTTATTNTCNCNGNCANTAAAGACAACTTTGTTCCCTCGGCCCGCTTCTAGA
ACTANGTGGATCCCCCGGGCCTGGCANG

Table 2

Sequence 2292

CCGGGCAGGTACACGATCCTGTATTGCCACCCCTTCTCTATTGCTTTGTCCCCGCGCGCC
CTCTGTTTTGCCTAAATGGGTTCCAGGCCATAGCCACCGACTCTCGCTTTGCCCTTCTGGC
CTCTCGGCAGTGCGCTTCANCACCATTCGCCAGGTGACGCTGCTGANAACAGCTGANTG
GCCGGCACTAGTGACGCTGGAAGCCAAGGCCANAATTCTCAGGAATNTGCACTNTACCC
AGGCGAAAAGCCCA

Sequence 2293

AGGTACTCTATACCCAGGCAAAGGCAAGCAAGCAGCCTTGAACAAGTCATTCAACTCATT
GAAGCTGATGTATCCATTGCCATCAGTATCAACTTTGGCAAAGCTTCTCTGAGCTCCAT
CATTTCCCATCGGACACTGATCCTCTGGTCATTTTTTATTGCTTTAGGTAACAGATCTC
AGCAGCACGAAAAGCTCTGTCTAGATGCATTCTCCTCACTGGCCCCAGGCAGATGCCCCC
GCGTACATGTTATTCACTTGGGTCTCCCATGCTTCAAAAACACCTAACGCTGTTAACATT
GAGAAGAGGATTGAGAGGAGCAGAATACAAAGGTATTTATTAAAGGTAATTATAATAGCC
GTAGAAATAACAGGCCAGAGAACTGAAAAGTGATTGAATAATGAGAATAAAAACAAAGGG
AAGAGGGTTGAGTGTGGCAGTACCTGCCGGGCGGNCGCTCTAGNAACTAGTGGATCCCC
CGGG

Sequence 2294

AGGTACATAGCCCCAGAAGGGCGGACTGGCCGGAGTCCAGGGATGGCAGCCAACGCCCCCA
TAACAGAGATCAGCATTGACTACAAGAAGAGGCAAGGAGAAATCAAGGATCAAATTTTA
AGTAAAAGAAAAGCCAAGTCATTAAAAATAGCCCCCTCATTGAAGAGTGGGAACGTAGGT
GTGATGTTCTGGCATAAGGAGTGAAAAAGAAAAGCTCTATTACTTGAAGCTTTTCACCA
GGGGCAGAGAGAATGGCCGGAAGTGAGAAACNGTGTGTGTGGATGCTTACACCCGATGCC
GTCTCCTAATATTGGAACATGGCTCCAGAAAGGGAGAACCAATTATTCCTAATTCCACGG
GCGGCATTCTTNTTGACTCCCAAACTNCCAAAGTGGAAGGGCAGGGAGCTTNCCCCCTT
ACCCCTTGAGGAAAAGCTCAGAGTTGTTNTGGGTAAAACTTTNCCGGGGGGTGCCGACAT
AAGGGATTGCTTTTTTCAGAAGCTCCCTTGGACAATTGGGTACCTGCCCCGGGCGGGGCC
CGTTTCGAAACATTTTGAGNCAAAAAGGGCCNAGNCAAAAANGGCCATNGTAAACCGT
NAAAAAANGGCCCGCCGTTTGCTTGCCG

Sequence 2295

CCGGGCAGGTACGCGGGGGTGTCAAAGCACTGAATACATAAAACCCGTGTGAATCTCAA
CTTTCACTTACTTTTTACTTTCCCTGCTGGTGCCCAAGACCACCGTGGAGGAATGGCT
AAAGGATAAGGTGGAGGAGACAAGTGAGTTATAATGGGGCTTGTTACCCCCAGAGAATT
TTCCAAGTGAATGGAATCATTCTTCAAAGAAAATGTGCGATTCTTGGGATAAGANCTG
GAACTTCCAAGCCAAGCCTGATGACCTGCTCATTGCTTCTTACCCCAAAGCAGGNAACCA
CTTGACACAGGAAATTGTAGATCTGATACAAAATGATGGCGATATTGANAAAAGCAGGC
GCGCTTNCATTCAACTTTCAACACCCCTTCTCTGGGAGTGGATAAGAATGAACACACTGTG
GGATTGACCAGGCTAACACAATGCCTTTTCCCAANGGACCCAGAAAAACCTCATCTTT
CCTTGATCCCTNNGCCCCGCTCTANAACCTAGTGGNATNCCCCGGGCTTGCAAGGAATC
NAATATTCAAAGCTTTATTGATACCGTCTACCTCGNNGGGGGGGGCC

Sequence 2296

AGGTACACGGACCGCACGGAGAAGCTGAGGCCTGAGATGGAGGGGCCCCGGCAGCTTCAAC
ATCTTCGCCCTAGCAACGAGGCCTGGGCCTCCTTGCCAGCTGTGAGATGACCTCCGTCT
GCCCGGGGACTCTTATGGGGAAGTGCCTTACTTCCCCGAGGGGTGGGCATGATGAATGG
GAGTCTGCAGTCATTTCTTACTGTTTCAGGAAGCTTTCTCCTTAACCCCTTAGAAAAGGC
TGTGGAACCTTGAGCTAAAATATGTCTTACCAGGTTGCGTCTAATGCCCCCGTTCCCTAC
TGGGCAGAAAGACTTGGGTGCTTCTGAGGAGGG

Sequence 2297

CCGCGGTGGCGGCCGCCGGGCGAGGTACGCGGGGGCTGTAGGCTCAGGAGGCAGAGCTCT
GAATGTCTACCATGGCCTGGATCCCTCTCCTGCTCCCCCTCCTCATTCTCTGCACAGTC

Table 2

TCTGTGGCCTCCTATGAGCTGACACAGCCATCCTCAGTGTGAGTGTCTCCGGGAGAGACA
GCCAGGATCACCTACTCAGGAAATGTACCTCGGCCGCCCGGGCAGGTACTTCACTGCGGA
CTTGACTTCTTGAGCAAGAAGGCTGGCACTGTTCAATTAAGAGAATCACAGAGATGAATCT
CACAATGCAGGAAACTAGGTCTAATGTCCAGCAAACATGAACATCTGAACTGAGAACC
GGCTTTCCGAGGACTGCCCATTCTCCTCCACGTGGATGGTGGGAATCACGTTGATTTGAGC
AGCTGTTTCTGATGATGAAATACTTCACA

Sequence 2298

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTACGCTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTCCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACCTAC
ACAGGGCTGATGTCATTATTGGAACCGCAAACAAAACCTTGGCTATTCCCTT

Sequence 2299

CCGCGGTGGCGGCCCGCCCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCC
CTAGAGCCACGCACCCAGCCCGCACATTGCCTCTCCATACGGCAGCCCTTTATTTGAAAC
TTCTAAATCACTTTGCTGTGTGTGTTACACGGGTGGGTTTGTCTTACTTGCCCTGAG
AGCACACGGGAGTGCAGCACACACCCCAACCCACATCAACTGCCATTAAGAAAAGAAAT
TTCAGCCCAGAAATTCATGTCCAGCAAAATTAAGCATCATAAGTGAAGGAGAAATAAGAT
CCTTTTCAGACAAGCAAGTGTGAGGGAATTTGGTATCACCAGATCTACCTTACGAGAGC
TCCTGAAGGAAGCACTAAATATGGAAGAAAAGATCATCACCTGCTACTACAAAACACA
CTGAAGTACCTCGGCCGAGGTACTTTNATTTCTTTNTTTTTTTTTTTTTNNNGGNNTTNG
TTTTTAAAAAATCGATCTCTTTAATTTTAGGCCAATTTTGTAGTAGTCAAAAGTCAGAC
AGGTCAATTTTNTGTTTGTNGAGCCGANNACACANNCTTGCAAAAAACCNCTGTTNTGANG
GTGTCCCGGGGGGAGGGNNGGNAGCCCGANCTTCTTGGGGANTAATCANCCNTGCNTNGG
GGANNGGCCNCCCTNGTTNAGGGATTTCANGGCCANANTNCCCCTNGCAAAAAANTNTTTT
NAAAAATTCANACCTNCCTTTTTTGGGGNNGGGGCCNCNNTATGNGTTTTTGGAGNAAAAA
AACCCCGGGGGGGCCCCCAACCCNGGNTTTTTTAAAAAACNNCCCNNTTTTTTTCCN
CCCTGNNGGGGGGGGNG

Sequence 2300

CCGGGCAGGTACCCAGACTGAGTTACAGCATGTCTACAAGGCATGACAACTTACCTGT
TTACATTTATGTTAGTTCTTCAAGGGTAGAGGCTACATCTTCCTTGGCTCAGTGCCCTA
GCAGTAAACATTGTACCT

Sequence 2301

CACCGCGGTGGCGGCCCGCCCGGGCAGGTACAAAGGAATATGACGTGCTTTTCTCCAGAAT
CTGAGGGTCAAAAAGTCCAGTGACTCAGGATACATTACAGAGGAGTGTAGCATAAGAT
GATTGGTTATCCATCTAAAAGAGACGGGAAAAAGTGTCCCTTAGTCCCTCTGTCTTCC
AGGGAAAACCCAGTGTGTGTGATGGAGAGAAGAAAAGTGTCTCTTTTCTTCCATTCT
TATATCGCTGAGTCTGGCGACTCTGTGTACCTCGA

Sequence 2302

TTGGAGCTCCCCGCGGTGGCGGCCGNTAAACATGTGNCACTGGGCAGGCGGTGCCTNTAA
TACTGGTGATGCTAGAGGTGATGTTNTGNAACANGCGGGGNAAGATTTGCCGANTTC
CTTTTACTTTTTTAACCTTTTACTTATGANCATGCCTGTNNTGGGTNGACACGTGAGGGTA
ATAATGACCCGCGTACCTGCCNGNCGGNCNCGNGCNGGTACNNCTGGANTCACTACT
NGGGGNGGCCGNCNCTCTGCNACANANGANNGCTTTTTNNNGGNTGAATTGAAAATGGAN

Table 2

NTTATGAATACCGGTGNGCTGGANNNGNNNCCCGACACAGNTCNNATGCTTGTTCTTG
NNGAAAAATANATNTCNATCCTGAAATTATGGTTNATTCANATTNAGNCCTCACATTGTG
CAATNGGCTTTTAANAGCCANAAACAGGGTCTGGGGAATTT

Sequence 2303

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCCAAACAAGTTTTCTATTTTATTTT
ATGCTTACAGATACTCAAATATTAACAATTTAATTAATCACCAGCTATTAATCATGAA
AACATCATGAACACACACTACCGGTGTGGATCTCCACAGTGCTGAGTTTTAGATGACAT
TCCCTACACCCCTTCTCTATGAAGAGTTTACAAAAGACGTCTTAGAAGGTAAATCTA
GCCTATGAAATATTTTAAGCAAAAGACAGAAAGAAGTCTCAAATGTATGTGGTGTATGTG
GGGTGTGTGTGTGTGTGAGAGAGAGAGAGAAAGAGAGAGGGAAAGAAAGACACAGAGACA
GAGACAGACAGACACTACAGTCATGTCAATTTTACCCGAGCATAACCCAGGCATCCTGGT
GGGTACCTGCCCCG

Sequence 2304

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGACATCTCTGCCTGCGCTGCTCACCC
ACTGTCAAGAAAGAAAGGTAGAGCCTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTT
CGGGCGGGAGCCCCCAGCACCTGGCTCTTCTGATGGAAAGCTTGGTTTCACTCTTCAGA
GGTGGTGGCAACATCCCCAGAAAACCGGTAGGCGTGGGCACAGTGGCTGGAGGCCGAGGG
CTCCTCGCCATAGCAGAAGCA

Sequence 2305

AGGTACCTATTNTTATAAGTCCCTCCGGTCTGCTTCTGATTTTTGCTTATTCAGTGCACC
CATAGACACAATTTATACCATGAAGGTGCCTAATGCTTTTCTGATTCTACTTCTGCNCAG
AGCAAGGACATGAGTGCAGTGATGGTNTAAGGGCCAACAAGTTGAGAGGCTGTAAGCCCA
GCTCTCCTCCATCCTGCTACTGACATCAGAGCCTNTACTAGATCTGAGAGTGCCATGCAC
CANGACCTACTGTAATCGTGAAACCAATGATCCATATGACCCTAAAGTTATTGTATACTG
GTGTTCAATGATCAGTGCGATTGGGTCTTTTAAATTTTTCTTTCAATTTTATTTCAT
TCAGCAAATACTAAGCTCCCACTATGCACATAAGAGATGTTCAATCANTGTTANATGAAG
G

Sequence 2306

CGAGGTACAATGTTTGCTGCTAGGGACACTGAGCCAAGGAAGATGTAGCCTCTACCCTTG
AAGAACTAACATAAATGTAAACAGGTAAGTTGTCTATGCCTTGTAGGACATGCTGTAACCT
AGTCTGGGGTACCTGCCCCG

Sequence 2307

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGACATCTCTGCCTGCGCTGCTCACCC
ACTGTCAAGAAAGAAAGGTAGAGCCTGGTGCTCTCCCTAAGCACTGTGGGCCTCACAGTT
CGGGCGGGAGCCCCCAGCACCTGGCTCTTCTGCTGGAAAGCTTGGTTTCACTCTTCAGAG
GTGGTGCCAACATCCCCAGAAAACCGGTAGGCGTGGGCACAGTGGCTGGAGGCCGAGGGC
TCCTCGCCATAGCAGAAGCA

Sequence 2308

CGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAG
ACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAAT
GAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAATACGACTTC
ATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGC
CTGGGCAAGTTTACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGG
ATCTACTGGGGGAGTCCGGAGGAGCAGTCTTCTGTCCCGCTGGAACCCATGGTCCACT
GAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTT
GAAATTTGCAAGTTGTCTGGGTTTCTGTCTAAGCTTGTTCAGCTATCCAGAATGCCAC
AAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTTAACTGAA

Sequence 2309

ATTGGAGCTCCACCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTGGCGTCACGCCCTC

Table 2

CCAGTGTGCAAATAAGGGGCTGCTGTTTCNACGACACCGTCGTGGGGGTCCCCTGGTGCT
TNTATCCTAATACCATCGACGTCTTCAAGAAAAAGGAGTGTGAAATTTTAGAACCTTTT
TGCAGGGGATCTGCCTGCATTCTGACGCCGGTGCCGNCCCCAACCACNGTGATTAATCC
CCAGANGCTCGGGTTGCCACTTCACCNACACCTCAANAACACGCTTTTTGAAGTTGTGC
CTTTGGCTTAAACACAGATTGACTGGTTCTGACTTTGACTACTCAAAAATTGGCCTAAA
ATTA AAAAGAGATCGATCCAAANNAAANAANNNTTNNNANNNTTTTTTCCCCCCCCGGG
NNNNGGNGGGGNCCCCNCCCTTTTTTNCNCCNCCACTTTTCAAAAAAANTTNTTGGN
NNNA AAAAGGGGCNCCCTTTTTTNGGGGNGGGGNAAAAAANNTTTTTTTTTTTT
TNNNNNTTCCCNNGNNTTGT TTTNNGGNGTTTTCCCTNAAAAAATTTGGTTNNNNCC
NTTNA AANNNNNNAAAAANCCCTTTTTTTNCAAAAAATGNTTTTTTTTNGGGGGNTT
CCCCNAAANTTTNNNCCCNANNGGGGNNTTTTTCCCCNAAGGGGGGATTTTTCCCCC
CCNNGGGGNNAAAAAAATTTTTTNAAGANCCNCGGGGGGCTTTTNA AANATNNGG
TCCCCCGGGCGGGGGGNAATTTTTTTNANNTTTTTNNCCCCCCCCCCCCCCCCG

Sequence 2310

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGAAGATAACCAAATCTGCTACTGGCACATTA
GACTCAAGTATGGTCAGCGTATTCACCTGAGTTTTTTAGATTTTGACCTTGAAGATGACC
CAGGTTGCTTGGCTGATTATGTTGAAATATATGACAGTTCGATGATGTCCATGGCTTTGT
GGGAAGATACTGTGGAGATGCGCTTCAGATGACATCATCAGTACCTGCCCCGGCGGCCGC
CCGGGCAGGTACCCGCTGGGCAGGCCCTTACCAGCACCTCTGTTTTCCAGAAACAGCAG
TTGCCACTCCAATGGGCACAGGCAGTGTGGTTGGTGATGCCATCCCCAAGGGCAGGGTGG
GTCCCATTCAGCCACATGGGAGCGCCTGTCTGGCATCGGTGCACCTGGACACAGGTCTCC
GACATCCTTACTCCTCCTCCCCTACAAAGCGGTACCT

Sequence 2311

CGCCCCGGGCAGGTACGCGGGGAGACACACACCAGCCCAGCCAGAAGCAAGTCCCAGCCCC
CAGCCCTCCCCTGGCCTACCTTTTGGGGCCCTTCTCTGAACCAGGCTCCCCTGTCTGCA
ACTCTGTCATTACAGGGATGATCCAGGCTCTGGCTGGATTCTTTACCTACTTTGTAATC
CTGGCTGANAATGGTTTTAGGCCTGTTGATCTGCTGGGCATCCGCCTCCACTGGGAAGAT
AAATACTTGAATGACCTGGAGGACAGCTACGGACAGCAGTGGACCTATGAGCAACGAAAA
GTTGTGGAGTTCACATGCCAAACGGCCCTTTTTTGTACCATCGTGGTTGTGCAGTGGGCG
GATCTCATCATCTNCAAGACTCGCCGCAACTCACTTTTCCAGCAGGGCATGAGGTGAACA
TNTCAAAAACAAGCCCCAGCACTNTCCCAAGCCCCACACACCAGGACATGCCATTTCCC
CCTGCCTTTTCTCTCCCTCCCCGCCACCCCATGAATGTTTCTTCCAGAAACAAAGTC
TTAATATT

Sequence 2312

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTGAACCTCCCAATTTCCACCCACAG
AGCTTGGTGCTAGCTCTGCACACGGTAGATATAAGCAAGAACTTAGGCCGAAGTGAATTG
AATGACCCATTCTTACCAGATAATTCTGTTCTTGACAGGGGTATTTGCGATCTGGGTTCTG
CCTCAAGGCTGACGGAATCAATACATTAGCAAGTGTATCCTCAGTCACGTCTCCATTGA
GAGGGGGCTCCAGGGCGTTGGCATCCTGAGGCTGCACAGGGGGCCCAATGGCGGCAGCCC
CTGCACCCTGCACAGCTGCATTTTCATGCCCCCTCCCTCTGGGGTCAGCTGGTGTGGCT
TATGTGAAACTGCAGCTGAATCACAATGCACCTTCTGCATNCTCAGGTAAAAGAATCACTA
TTAGGCATCTTCAATAACTTTTTGCTTTTGTCTCCAGTGGCTTAAGGTGGTCACCAAGCCT
TCATTAAGAACATTTTTAGTATTCGCTTAAGGCNGGCCGGTTTTANAACATAATNGGAATC
CCCCGGGGCTTGCANGGAATTC AATATTNAAGCCTTATTGAATACCGNCCGAACCCTCN
ANGGGGGGGGC

Sequence 2313

CGAGGTACCCGCGTGGCTAGGGGAGCCCTAGGAAGCGAGTATAGCTCTCGTGGCCGAATG
GAATGAAGCGAAGCCTTCATGTCAGCATTGGGCTTGCAGGTGCTGAGCCCCGATGGTGG
CCCCTCTTCCGGGCTTCTCTCAGGGGCATGGGTGGGGTGGAGATATTCAACTACTTCCA

Table 2

ACGGAAACCAACACTTGAAAGGTTATGAAGGCCCTAAACCTCCTGCTCTTCCATGGTGA
TGGCTGACAGCTAAAGCCACACTGCCACTACCCTAAGCCCAAGCTTGATCACCTGGAAAT
GGGGAAGTGAAGAGGACGAGAACAGCACAGCCTTTGAGCTCTCATGGGGTGGCGTAAATT
TATGGTCAATATGCCTCCAGATCAAAGGTCCTGCTGTTAGAGAGTTTTCTTTTTTGCTT
TANTGGTACCTGCCCCG

Sequence 2314

TGGAGCTCCACCGCGGTGGCGGNCAGGTACGCGGGGACCTCATTCAATTTCTACCGGTCT
CTAGTAGTGCAGCTTCGGCTGGTGTATCGGTGTCTTCTCCGCTGCCGCCCCCGCAAG
GCTTCGCCGTCATCGAGGCCATTTCCAGCGACTTGTGCGACGCTTTTCTACATACTTCGT
TCCCCGCCAACCAGCAACCATGACGCCATGTCGGGTTATTGAGTGACCGAGACCGCGGC
CGCCCGGGCAGGTACTCAAGTCACTTAATGAGGAAGCTGTGAAGAAAGACAACCTCTGTCC
ATTGGGAGCGCCCTCAGAAACCAAGGCACCAAGTGGGGCATTTTTACGAACCCCAAGGCTC
CCTCTGCTGAGGTGGAGATGACATCCTATGTGCTCCTCGCTTATCTCACGGCCCAGCCAG
CCCCAACCTCGGAGGACCTGACCTCTGCAACCAACATCGTGAAGTGGATCACGAAGCAGC
AGAATGCCCAGGGCGGTTTCT

Sequence 2315

CGCCCGGGCAGGTACTCATGGCAGAACCAGCCCCTCTGGGGACAGGGTCTAAGTTTAGAA
GGAACACCAAGGAGAGCGGTTAATTGACATTCCTTCAAATGCTGCTTCACACACCCAAAA
CAATTTCACTGGAAAATGGGTGGAAGGAACGAAGGGGTTGGTTCTGAGGCTATCCAGAG
GGATGAGGGAGGAGCACAGCGCAGGCTCATGGCCAGAAGAAGAGACGTTCCACGGGGT
AGGAGAGGGTTCTCACTTTCCCTCAGTACCT

Sequence 2316

AGGACAGCCACGGAAGTGTGAGCCAATTCAATCCCTTTTCTTTTCAATTACCCACTCT
CATGTATATCTTTATAGCAGTGTGAGAACAGATTAATACACTCCTCCTCAGAAAGCATTC
AATTTAGCTGTGTCTAAAGTATGCCAGGTGTCTAGGGTGTATCTTAGTCAATAATTCT
TCCTCTTCAGCAAGATCTATTTGCCTATGACAGCTTGACCTACAGTTCCTACCATACTTG
TCAGTAACAAGTAGCCATAACATCTGAAGGGACTTCATTGAAATCACAGAGGTTCTTTA
GTTCTTTACCTCATTAGTAGGCATTAGGGAAGCACATCAACTTT

Sequence 2317

CCGGGCAGGTACGCTCTCCAAGTGGCCAATACAAATCCCTTGTATCCGTCTTCCGGGCTG
CAGGGCTCCCTCAGGCAGAGGCTATGACCTGCAGATAGGCCACACCATTCTTGGACTGGT
CCTGTAGAGCAGGGTTCCCAATCCCTGTTACTGCTTCATGGCCTGTTGAGAAGTGGGCC
ACACAGCAGGAGGGACTTCAGTACCT

Sequence 2318

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCCTGGAACCCATGGTCCACTGAAGTTCCT

Sequence 2319

GAAGGCACGGGGGCTGCGGGCCGGCGCGAGTTCAGAGGCTTCTTTTCCGCGGACGGAGA
CACTGTACCT

Sequence 2320

CCGGGCAGGTACCCAGACACCCTGATAAGGACTTCTGACCTACATAACTATGAGCTAATA
ACGTGTGTTGTTTTAAGCTGCTAAACTCATGATAATTTCTTTTGCAGCAATAGAAAAAA
AAGTGACAATCCTCTAGAAGAAGGGTGACCTATAGCCCATAGAGCCCTGTTATTCACAAG
AAACCATGGTCTTTCCACAGTGGTAAGGAGATGAACCATGGGGTCAAAAAGCTACACTTT
ATGCATCATTTCCGAAGGGCAGAAATCAGGAAGGATAAATGCTAAAAGTATACAAGCTT

Table 2

CTTCTGGAATTCATGGTTTTTCATCCTTGAAGGAGTGCTCCATGAAGACTG

Sequence 2321

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGTTGTCTTTATGCTGCCA
GATAAGTCCTCTCTTGGTTTGAGTTCACCTTTTCAGTGAACCTTACATTTTGGGGGA
TCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGT
GGGGCCAAGATGGTTGACTAGAACAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAAG
AGTGGTGAGACACTAGCTCTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAG
TGACATAGTGTGACCTTCGGATCACGGAGAAGAGTGAGACAGATCAGCCATTCACCCAGG
AGTGGCACAGACCCAGGGGAATCCCCCTACAAGAAAATGGTGAGTGAGTGAGAGTCCCGT
GGGATGCATATTTCTGCCACGAACCTTTGAATCCCTGGGCTCAGGAGATACCCAGCTGG
GGTCTCCAGACCAAAACAGAGAGCCATGTGGAGTCTGGGTAGAGCTGCTTCTTAGGTAGG
TGTGGAGTCCCANTANCATTTGTTCCCTGGGTACCTNNGCCGTTCTA

Sequence 2322

TGCTTCTGCTATGGCGAGGAGCCCTCGGCCTCCAGCCACTGTGCCCACGCCTACCGGTTT
TCTGGGGATGTTGCCACACCTCTGAAGAGTGAAACCAAGCTTTCCATGCAGGAAGAGCC
AGGTGCTGGGGGCTCCCGCCGAACCTGTGAGGCCACAGTGCTTAGGGAGAGCACCAGGC
TCTACCTTTCTTTCTTGACAGTGGGCGANCAGCGCAGGCAGAGATGTGCAAGGTACCT

Sequence 2323

AGGTACTTTATNTTTTTTTNTTTTTNTNANAATATTNTTTTTNTTTNTTNAGGGGNAT
NNNTNTTTTTANAGNGGCNCGCNCGGNCATTTNCNATTNTGCNANNATNNNTNTTTNTA
AAANTTTGGGANAATTNAANTTTAGTTTCTGATTTCACACNNTTAGGNTTTTAGTTGTCC
NGAAAAGCNGGNCCTTACACTCACAGTTTNGAGTGCTGCATGGCANC GGCTGCAGGGA
ACCANAGAATGGNTCCNATGTGGGCTGGGACCCGCAGCAATTGCGCTCATGATTTTGGC
CTTTCTGCTNCTGCTATTGGTACCTCGGCCGAGGTACAGTGCCCCCGTGAAAGACANA
ATTGNGGTTTTCTGGGGTCACNCCCTCCCANTGTGCAAATAAGGGCTGCTGTTTCAACG
ACACCGTTCGTGGGGTCCCCTGGTGCTTCTATCCTAATACCATCNACGTCCCTCCAGAN
ANGAAGTGTGAATTTAGACACTTCTGCAGGG

Sequence 2324

GATCTCAACCATTTCCATGGTTTTACTTACTATCTATATATTAATAGTTATATATTAAC
TTGTATCTCTTACCCAGATCTCATTTCTGTCTGTTNAATTACCTACTCAGCCTNTTGGTT
TGACTACCTAATGGCAAACAATCTCCCTTCACCCAGTCTNTTTATTCAGTAAATGGA
GCCAATGTTTTTGGCTCAGGCTAACCCCANAGTAGGACACATNTTGCATNTTGCCTTT
CCCTCACACACAATATCCAATCCAATGGTAGATTCTTTCAGGATCGAGCGGCCCGCCGGG
CAGGTACCTGGCTGGGGAGGCCAGGCTGACGGTGGTGCCAGTGTCTGAGGAGGAGGTGAG
GGAGGCCCTGGTGCGTAGTGGCTACAAGGTCCGGGACCTCCGCACCTATATCATGCCTGC
CCACCTTNAAAACAGGCGTANATGAATGTCAAGGGCGTTTTTTTCGCCTGGGCTCAAAAA
NGTTTGGGCTGTGAGGGCTGTACCTTCGGCCGCTNTAAAACTAANTGGGATCCCCCNG
GCTGCAGNGAATCCNANT

Sequence 2325

AAAGAATTGTTTAATCAGCCGTGAATTGGGGACTTCAAACATTTTAACCATATGCTGCCA
GATTGTTTCATATAAAATTTCTTNTNTNTCCAGAAACCGGCGAGAGTTTGGCAAGCNA
GTTCTGTCTCCGATGTGTGTAGGGTGGANAGTGGGGANAAGTCTCCTCTCCTGCACC
CAGANAAGGTAGGGCCTCCTAACTGTAANCCCCATGTTAATATCGGACTCCTCCANAGGC
TTANCTGATGCNNGTGATGTTGGAANAANATTAAATTTACTGCTCAGGNGTAAGGCTNTA
GCAAAGGGGAAAGGCTGNGAAAGAGGAGGGAGATGAAGGGAAAAGAAGTTACACCTNAA
GAAAAATCTGATGTGATTACGCCGATTTATACTGAGTGCCCCCATTTGCCAGGGACTG
NNGNGTACCTN

Sequence 2326

AGGTACCATGGCAGTCATGCAAAGCATGGGACAGAAGAAATACCACGGCAGTGAAGTGTG

Table 2

AGGATAACTTCCATTTTTTCCCTCGGAGAGAACAGTTTACGGGGCAGAGGTGATATGTTT
TGCCTTTTGAAGATTACTGGCACACGTTTACGCTTTTTACCTCTCTAATCGACTGGAAGC
AGCCAGCCGATCACTAGTCCTCCATCCCCCTCGAGTCCTCCGATTGTCATGCCTAGGCCT
TGCCACAAAGACAGCACCTTTATGTGAAAAAACTTAGAAAAATGCAGGTTAAAGAAA
GCAATAAACTTTCTTTAAAAAGTTAAATGGAGATCTTCTGGGAAACCAAGCCATGAATG
CGAGTTTGATATTTTGGCCTTAGCTTTTTGTTTCTAGCTTGNCTTTTTCTTCTGCTT
CCTACTTTTCAGGTTTAAATTTATCTTTTTCTTCTAAAAGTATGTTTTATCTTCTAAT
TTCCCTATCTTCTCTATTCTTTCTTCG

Sequence 2327

CGCGGTGGCGGCCGAGGTACCGCTTTGTAGGGGAAGGAGGAGTAAGGATGTCGGAGACCT
GTGTCCAGGTGCACCGATGCCAGACAGACGCTCCCATGTGGCTGAATGGGACCCACCCTG
CCCTTGGGGATGGCATCAACCAACCACACTGCTGTGCCCATTTGGAGTGGCAACTGCTGTTT
CTGGAAAACAGAGGTGCTGGTGAAGGCCTGCCAGGCGGGTACCTGCCCCGGCGGCCGGC
TGTTATGCTCATCATGGCACTTAAGAGATGCTTAACAAACCTTTCTACAATGTTCTCTCA
GATTTTCAGAGCTTATTTGATCTAGCATCTGGTTCCTAAATCTGAGTCACATCAGAAGC
CAAACCTGAATGCTTTTTGNAAAGAGCTAGCCTCATACCACTTTCAGTTGGGAAGGGGAG
TACCTTCNGCCCCGNTCTAGAACTAGTG

Sequence 2328

CCGCGGTGGCGGTCGAGGACCCAGCCAGTATTTCTTCTTTATTTATTTAGTTGTTTA
TGGAAGGAGGTTAAGTCCAGTCTTTGTTTCTCCATCATGGCTAGATCACAGATTTTGAAC
ATAGGCAGTCTCACATCATAATCAATGTTCTAAACATTACATTCTCATTCTGTCTATAT
AGCTAAATGGGATGAAAGATGAACCTTCTGGGGAAGTATGTAATTTAAGTGCTATATAA
GGACTTTCAAATNGAATATACAGCCAGGTGTGGNGGGCTTGTGCCTCAATCCTAGCTAT
TCAGGGAGGCTGAAAGGGATCACTTGAGGCCAGGAGCCAGAGATCAGCCTGGGCAACATA
ACAAGACCCCATCTTTTAAAAAAAATTAAGTACCTGCCCCGGGC

Sequence 2329

CCGCGGTGGCGGCCGAGTACCTTCCGTGTTCACTTCGCGCTCCTGGGGATACTAGAAGC
TCCACTTCAGATCCTTCTTGTGACACCATCTGAGCTTCTCCAATAGATAAGAAAAAGG
CAGAGGATACACTACAGTTATCAGNTCCCGTCTTAAGCAGGCTGAATTAAGAAGATCT
CTTAGCCTGCCAGTNACGCATAATTGGTAAAGCGATCAGATACCTAAAGGGTTAAAAA
AGGGCATTAGAAGCTAGAGCTGCATTGCCNAGCAAGCAGTAAGAAAAAAAAAAAAAAAAA
GTACCTGCCCCG

Sequence 2330

AGGCACATCTTCCCTCCATGAGTGGGATCAAGAAATATTGAGATGGCTAAGCTGGAAATTA
CAAAAATGTTGGCATACTATTATAGCATATGGTTATGAAAATCAATGAATATTTATATT
AGTATTATGCTTAAAGTATATATCCCAAGCTGATCAATTAATTACACTTTCACTGGATGA
GATGTCAATTCTACATTTAGCTGAACTCTCATCTGAACTGTGTGGCTTCTCAATGACAGG
ACATATTAAGAACATGATGAATGTTGTAATGTAATGATATAAATTATTATAATGTGTT
GCATTAAAAGACATATGGTGTAGCATTCTACCGTTCAGCTTTTGCATTTATTTTCTCAGT
GTCCATGATTTGCTCCTGGGGATTCCAAGATCAGTTTTCTTCTTATCAGTCAGCATATA
CATATTGGTATTAACACCTTTTTGCAAAAATCATATATAAATGGTTGNAGAATGTTGTTG
GCATTCTACAGCAACTGNNTAAGTTTTTGGTCAGCGATTAGCTTGGTTTTCATTATTTT
AAAAATTCAGGCCAGTCCGGGGNGGCTCCCGCCTGTAATTNCANCCNCTTTGGGGANGGC
CGACCCCCGGCCGGATCCACAANGGTTANGGAGAATCCNAGACCATTNCTTGGNCCAATA
CCGGNGNAANCCCCATCTTNTACTTAAAAAATACCAAAAAAATTAGCCCCGGNCNTNGTG
GGTGGGGTGCCCTNGAATCCCNCTNCCTCTTGGGANGGCTGANGGCAGGAAAAATNGCC
GGGAACCTTGGGANGNCGGACCTTGGAAACCAGNCCAGAACNCNCCNGGGCNCCTCAAGT
NGGGCCACCAAGNNGGTNCCNNTCCAAAAAAAAAAAAAAAAAAAA

Sequence 2331

Table 2

TTGGAGCTCCACCGNGGTGGCCCCCGAGGTACAGCACCCGCTTGGCTGTGCTGAGCAGCA
GCCTGACCCATTGGAAGAAGCTGCCACCGCTGCCGTCTCTTACCAGCCAGCCCCACCAAG
TGCTGGCCAGTGAGCCCATCCCGTTCTCTGATTTGCAGCAGGTCTCCAGGATAGCTGCTT
ATGCCTACAGTGCACTTTCTCAGATCCGTGTGGACGCAAAAGAGGAGCTGGTTGTACGAC
CAGACACTATTTTCAGCTAAAACCCAGCTCGAAGACCAAAAGAGTGGGTNNGCTTGTCTC
TGACAGTCACGCTTTTGATTCTTTTACTTCTTTGTGGACACAAGATGGTGGAGATGGCT
CANAAGNTGGGAAGCTGCTCTCCANGTTTGGGGAGGCACTGGTCTGGACCAAACCAAGTT
AAAGATCCCAAATCAAAGCACCAGACCATTCAACCAGCAAACCTGCCAGTTTCCAGCAG
CCTNTGGGCTCTAATCAAGCTCTAGGACAGGCAATGTCTTCAGCAGCTGCATNCAGGACG
CTCCCCCTAGGTANAACCATACAGAGCTTCCATGAAGACCTGCCAGGTCCCTGCCN

Sequence 2332

CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGCCAGACAAGACTCTCTTGATCTGCAAATACGACTT
CATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTG
CCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAG
GATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCAC
TGAAGTTCCCTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCT
TGAATTTGCAAGTTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCCA
CAAGAATTCAACTGGATCTGGAAGAGGAAAGAACTGATGGTGTAACTGAACCCATTTT
GATTGAGACCTACACAGGGCTGATGTCAATTCATTGGAACCGCAACAACTTGGCTATTC
CCTTGCCCGTGGGAGTATTGGTTTGAGAAAGCTTTTTTGGTACCTCGGCCGCTCTAG

Sequence 2333

CGTTCGGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCT
GAGTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCAGTACCTGCC
G

Sequence 2334

CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGC
TGAGACTTCTGGAGAGACCGTTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAA
CAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGA
CTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGGGCGCTGTCTATCGCAT
CTGCCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCT
TAGGATCTACTGGGGGAGTCCGGAGGAGCAAGTCTCTTCTGTCCCGCTGGAACCCATGGT
CCACTGAAAGTTCCTTATGCTACTTTTCACTGAGCATCCTATGAAATACACCAGTGAGAA
ATTNCTTGAAATTTGCAAGTTGGCTGGGGTTCATGTCTAAACTTTGTTCCAGCTTATCAN
AAATGCCACAAGAAATCAACTGGGATCTGGAAGAAGGGAAGAAACCTGATNNGNGTNAA
CTGAACCCCATTTTTGATTGGAGACCCTCCNCAGGGGCTTGATGTCAATTCATTTGGGAAA
NCCGCAACCAAACTTGGGCTATCCCCCTCCCCGTGGGANTATTGGGTTTTNGANAGTCT
TTTTTGCTCACTTTACCCCCCCCCCCCCCNNTTGNCGCCCTCAACTTGTGGNTTCCCC
CCCCCTCCCCCTCCCCCNNTTTTCTTCCCCCCCCCCCCCTTTTGGGGGCCCCCCCCCCCC
CCNNNNTTTTTTCCCCCTNNNTTTTTTTTTCCCCCCCCCCCCCTTTTNNCCCCCCCC
CTTTTTCCCC

Sequence 2335

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAGCAAAGGACCA
GCAATATGTCCTATGAAGAGGATTTCTATTTCCACTAGGCGGCGCTGTTGGCTTAGAAAT
ACCTTGGGCTCGCCAGAGGATTACTAGCCGGTAATCTCACTGTTGGAGGTGGAAAAGGGG
AGAACTCTGTTCTAGAAGGTTGCAATGGCATTTCCTGAGCTATATCCCAGGTCTACAG
CATTTCTGATCTTGCTAACAGGATTACTTCTAGGCTGTAAAAATCCCACACATTC
AACACACAGAAAGTAAGAGATCGCAGACAGAGAAACCAGGAAAGAAGGAAGGTTTTGCAA

Table 2

CAGGATAGCCGGCAGACAGCCTTGAGATTAAAGGACAGATCTGAGATTGAGATTTGCTCC
ATACTCACCCGCTCCGATGAATGAATTCCTGCCAATGCA

Sequence 2336

CCGCGGTGGCGGCCGCCGGCAGGTAAGTGTAGGCGGCAGGAGAAAAAAGCTAATTATTA
CTTGTGGAGTCTTGTCTCAGGCATGCTGTGGGGCTGTGCAAGATTCGCTGCTCTGCTGC
TGTGTGCTATTTGATGCTACAATTACAGAGAGGCGGTTACAGCAGCCAGCCGATCGGTGT
GGCTGCCAAACACATTTGAGCATGACAAGATAAATTTGTTAGACACCAGCACAGGGTGGG
TGAGAGGACATCCTGCTGACTTTATAAAGTGATGTGGGGCAGGGTTGTCGAGGTAAGTGA
TGATTGTCAAGTTTGCCAGAGATGATAGATAACTCCTTTGGCAGAACACCTAGGTCAATC
CTTTAAAGTCAGGTAGCTTAAGAGGCTGTTTGGTTTCTGCAGCGCTGGCTANCTACTTG
GGGAACATGGTTGCTCAAAAACATTCAGTACCTCNGCCCGCTCTAAACTA

Sequence 2337

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGCAGGTAATTTTTTT
TTTTTTTTTTGTATCTCTGGCCAGGACTGCGCAGTCAGGGCACAATTATCTGATACTG
ATTCAGAGCTGCAAGAGAACACCAGCTCCTCTTTCTCCCTAATGACTTGATGTCTTTT
CTTCATTTCTATGATCCCTATCTTAAATTTGACTTTACAGCAGAAGGGCTAGAAGCCAG
CAAGCTCTAAGTGGCAGGCAGCTAGAAATTTCTAATGTTTTTACTCTACAGTCCTGAGAA
AATAGCATCTATGCTTGAAAAATAAACAATGGAGCCTCCTCGCTCAGCCAGGGCAATGC
ACAGGGTGTCAAGACACTATGCTCAATGCAAAATGTGCAGCCAGCCCTTCTCTGTGCCC
TGAGCTTCCCTAAGCAATTCACACTATAGGTGAAGGTATTTATAAGGAGGCTATTCCTTG
CTGGTACCT

Sequence 2338

CACAGTCGCTGCGGAGGGGTCTGAGGACAGGCGGTCTGACTCCCGCTGCCCGGTGGAAC
TAAGACCAGGGACGAGGCCACGCAGGAGATCAAGGTACCTCGGCCGAGGTACGCGGGTGG
TGACAAGATTCGATTCTTCTTTGAGAAAGGCGTTTTGATGAGAAAGGAAATTTCTGGT
CCCTCCGGAGAAATCCATCAACAAAATTGGCCACGCTCTGCACGCCACGACCCCGTCTT
CAAGAGCATCACACTCCTTCAAGGTGCANACCTTGCCAGAACTCTGGGCCTCCAGAT
GCCCCTGGTGGTGCAGAGCATGTACCTGCCCC

Sequence 2339

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCCGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGAGACAAGGAGAAGGCCTTAGGATCTACTGG
GGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCTT
TATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGC
AAGGTAGGAGGCATCTTGGGTATTACTCTCAGATTAGCTTTGTTGCTGGAGCTATGTGCT
TCTAGGGACGTGTACCT

Sequence 2340

CCGCGGTGGCGGCCGCCGGCAGGTACATTCCTGGGCTGGTTGATTGGTAAGCTTTTCAT
CTGCTGAGAAGATTCAGAAATCTTTCCGATTCAGGCTGAAATTAGAACCAATTTCTTG
TCTCCAGCTCTTATTGTGGGCTTTATTCTGCAAAGAAGGCTGCAGTGCCAGCGGAGCT
GACTGCCAGTGCCAAGTGTGTGACTGACATAACGTATGGAGGTAATCCACAGGTGTAGCT
CAGGAAGGCTATTAATAAGAGGTGCTATTTATGCTGGTTTCTGGGGACTATACCTAAAC
TGAAAAGGCCAGTTCACTACCTCGGCCGAGGTACAGGGTCCCAAAATGCGCTGACTCAGC
TTCACCAGCCCATCTCGGATCTCATTGCCAAAAATGTCTCTTCGGTCATGAATGAGGATC
CAGCCCAACCTCCAGCCAGGAACAGCCAGCGCTTGCCAGCCCTCCACAGGACAGGGAT
GGGGACATCGGTGCTGAGGGTGGCCAGTGGTTTCATATTTGCAATCCG

Sequence 2341

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT

Table 2

TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTA
TGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTTGAAATTTTG
CAAGTTTGTCTGGGTTTCATGTCTAAGCTTGGTNCCAGCTATCCAGNAATGCCACACAAGAA
TTCAACCTGGATCTGGGAAANAGGGAAAGAACTGGTTGGNGTTAACCTGAACCC

Sequence 2342

ANAGAGAACTGCTCAGGTATTTTCATANAGTGTCCCTCGGTCTAGGTTATAATCCAATTGT
TATCAGTTTGGGCATTTGGGAGCCCTTTTAGTTGGCTCCCGTTTCNNTTGGATGTAAC
ACATCCTTTNGGNGTTTTTTTTTCTTTTTACTGGGATAAAACATACCCAGTTTACAAA
AATNTGAAANGCTTTACTAATTCGNGNGNCATCCATGCTAATCATCTTTCTATTGNNCCA
ATTTTAGGACCCCGCCCCGGGCGGG

Sequence 2343

AGGTACACCATTTTGACATACTTTTGCACTGTTTCAGCAGGGAAGAGTGAGAGGAAGATT
TTTCATGTTTGTGGAGAATGGCTTAAGAGAGTTAAATGAGTCTTCAAAGNGAGTAGCTG
ATTGAAATTGAGCTAAACTCAGAGCATAATAGTTTAGATAGTCTAAGAAATTGAAAAAA
AGTTGATGCCAAGCATACAAGAAATAACACCACCAAAAAATAGACCTAAATACAGACAAA
ATTAGATTAAAAACAAGAATATGTTCAATGTTAATAAAAGCAAAAGGAACATAGACATAG
TTATGGAGGAGTTTTGTTTTGTTTTAATAAGATAAAAAATATGGTTAGTTTTATAGCAATA
CACCTGGAAATCTGGATCAATTCTGTCCACTATAGTCATTACTAGTGACATGTAGATATT
GAACACTTGAAATATGGTGGATTGAATTGATTTATGCTATATGTAAATACAACTAGA
TTTAGTTTAAAAAATGTANAACCTGAATAATTTAATATTGNTTTTATGCTGAGATGACAA
TATTTTTGGATATACTGGGATTNAAATACATATNAAATATTGTTTAAAAAATCAAAGGT
AGTATTAGTNAAAATTNGGNCCTTTTTGGGNTTACCTTTTTTATTTTTTGGTTTT

Sequence 2344

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTNTGGAGAG
ACCATNCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCACATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGNCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGCTGGGTTTCATGTCTAAGCTTGTCCAACATCCAGAATGCCACACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTAACTGAACCCAT

Sequence 2345

AGGTACTGACAACACCAAAGTTGCAAGTGAGCTAACCTGCAGGTGCCTGGTGATAAGTTG
GGTGAGGAGGGCTACATGTTCTGAACCATGAAGAAAAGCAGACTTATAGTTTACCTGCT
TTCTCTTTTTGCTTTCCCTGGTTCTGCCAGCCTGACTCCTTTTTCCCAAAGGACTCCA
TAAAAAGTGTCTCGGTCAGCTAGCTGGTCAGCTGTTGTCAACTTGCCTGAGCTGATTAT
CCTTTTCTTTTTAAATTTGACCCTACAATTAGCAACCAGCAAAACCATGTAAAGCCTATG
GAATACTAAGGGGGGCTGGGGATTAGAAGCTGCCTCATGTTTTTCTCACTATTTTCCAAAT
GCAAAACCTGGTTGACTAGTCTTTGGCCACAGATCCANACCCCAAGAGGTGGCATGGAGCT
AGAACCACCACCATTTGAA

Sequence 2346

CGAGGTACGCGGGGCCAGCCTGGTGGCCAAAAACGGGATAGTCCAAATTTGTCTCCTACG
GGAATATTAGAGTTCTCACTTTTTTCTTGGGCTGGAGCTGAGGCCGGCTTGCAATCCAGT
GGCAATCGGCGTGAGTTCTGCTTATATGAGAAAGTGATGCTGACTTGTAAGTGAAGAAC
CAGTGGTGCTGCGGGTGTCTTTTGGGGTAGTGTCTGGGATCCAGTACCTGCCCG

Sequence 2347

Table 2

AGGTACCCCCACATGAATGGCTTCCCTTGACATGCACAAGGTCCCTTCTCTGCAAAGTGC
CCCCAGCCCAGCACCTTCTCCAGCTGCAACTCCACAGCCTCAGCAAACCTCTGTCTTTCA
CAGCTGTGTCTCTCACACGAAGTCTGGATCTCAGCCCGGATCTCAGCCCTGAGCTTTCT
TCTTTGAGTTGTTCTGTCTCAGCCTGGGGTGAAAAGCCCATATCGGCTGTTCCATGCATC
TGCCCAGGCTTCTNTTTTATTCTTACTACCCAATCCCCATTCCAATCCTCTGTTAATAAC
TCTTACGGACAGTCCCCAACTCATGATGACTTGA

Sequence 2348

CCGGGCAGGTACGCGGGGTTTGAACCACCTGCTTCCCAAGTGCAGCATCCCTCACCTATT
GAAGCTCTCCTGGGGCCCTTTCACTTTCTCACTCAGCACTGAGGGTGTCTGCCATTGGAC
CCCATTGGATTCTACTACCTGGAAGTGCTTGGTGGCAGCTGTTGACCTGGTTTCTTTGTG
CTTTCCAGTTCTAGAGGTTTTTGGCAGTGGTAAATACTCTTGCTCCAGAATGAATTCC
AAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 2349

CCGGGCAGGTACCCGAGAACCTATGTTGGTTGTTACTGGTGGCCTGATTCTTGGGCCTCA
AGGCGGCTTGCTNAGATGCCAGTAGTGGCAGGGGTAGAGGGTTCTCAGGCTCCTAGATA
GCTGCTGTGGCATGGGCAATAGCAGTAGCCATGGCAAGATGATTCTCTGGGTCTTAATC
TGTGTGCATTGATATTGGCAGTAAGCTGTGATGGGCTGGGCGGGCCTGTCTCCAGGTCCA
CAGTTGGTGCTTGCAGGTATATACCAGCTGAGGAGGTACCT

Sequence 2350

CCGGGCAGGTACGCGGGTTTGTAAAGCTTTGTGGGAGCTTCCAGGCCTGCTCTAAGATGCC
TTGCTTGTCCTTTGACCCATCAGCATGGAGCTCAGTGGTTGCTGTTTGGTTCTGCAGGCT
GGTGGGGAGACCGCCATCGTGGTGGGGCATCTGTCCAGCCCCATTGCCACTCANGGCATC
CAAACAGGAGGCACCCGCTGGGAAGGGTCTAAAGATACTCCTTGTGGCCACTGCTACTGN
TCACACTTGACTAGGTGGAGAAGCGAAGGGCTGAGGGGAGGTTTGTGTACCT

Sequence 2351

CCGCGGTGGCGGCCCGAGGTACAATGTTTGCTGCTAGGGACACTGAGCCAAGGAAGATGT
AGCCTCTACCCTTGAAGAATAACATAAANGGTAAACAGGTAAGTTGTATGCCTTGTAG
GACATGCTGTAACCTCAGTCTGGGGTACCTGCCG

Sequence 2352

ATAGGGCGAAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACGTCCCTAGAAGCACAT
AGCTCCAGCAACAAAGCTAATCTGAGAGTAATACCAGAGGATGCCTCCTACNTTGCAANT
TTCAAGGAATTTCTCACTGGTGTATTTATAGGATGCTCAGTGAAAGTAGCATAAGGAAC
TTCAGTGGACCATGGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGACTCCCCAGTA
GATCCTAAGGCCTTCTCCTTGCTCTTTGTCAAGAGCCAGAAGCCTTGAATGGTCTAGTC
CAGAAGTCTCAGCTACCGTGACCTTTCAAGTCTTCCATGGTAAGTCTCAATGGCCCC

Sequence 2353

AGGTACACTTGCCCCCACCACGGACAGCAGCACGCCAGAGCAACCACAATGATGCTGA
TGATAACGAGGGCGCGGGCCGCTGCAGGTCTGCGGCAGTGCCAGCAGCGAGTCGTACC
TGCCCGGGCGCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTG
AGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTTTGACAAAGATAGACCACTGGACAA
TGAGAAGGAAAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTT
CATCATGCTGAGTTGTGTGCAGCTGCANCGGATTCTTTTGGCGCTGTCTATCGCATCT
GCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTA
NGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGA

Sequence 2354

CCGCGGTGGCGGCCCGCCTCATGCATTAGGGGACCTGTGCCTGTCAATCAGGCACAAGG
TGACGGGGCTGCACTCTGGCACACTCANNNGTGTGTTGTGAGAAAACACGGTGCCACGGAG
CAGCCCTGTGGGGAAGAAATGGTGGCCATGGCTGGAGGCAAACACAGATCACCTTGCGAG
GGGCTGACATCAAGAGCGTCGTCTTCAAAGGTGAAAAAGGCGTGGTCACACTGGGGAGA

Table 2

TTGGATTAGATGATGTGAGCTTGAAAAAAGGCCACTGCTCTGAAGAACGCTAACAACCTCC
AGAAGTAACAATGAACTCCTATGTTGCTCTATCTCTTTTNCATCTCATCTTCTCTCCT
CTTCTCCCTTTTATCAGGCCTANGAGAAAGAAGTGGGTCAAGTGGGTGAGAAGGAAGTCT
ATTTGGTGACCCAGGTTTTCTGGCCTGCTTTTGTGCAATCCCAATGAACAGTGATACCC
TCCTTTGAAATACAGGGGCATGGCAGACACATCAAAGTCATCTGTGGGTGTTGCCTTCCA
TCCTGTGTCTNTTTCANGAANGCATTACANTGCCGTGAAGCCATTACCATTCTCCAT
TNCCTGATTACCAANGGGGCTCCTTGGTAGCAAAATTTATGAAGAAGTGAAGNTTACCGG
GAGCAATTTTTTTAAAAA

Sequence 2355

CGAGGTACGCGGGACCTCATTCTTCTACCGGTCTCTAGTAGTGAGCTTCGGCTGGT
GTCATCGGTGTCCTTCCCTCCGCTGCCGCCCAAGGCTTCGCCGTGATCGAGGCCATT
TCAGCGACTTGTGCGACGCTTTCTATATACTTCGTTCCCGCCAACCGCAACCATTGAC
GCCATGTGCGGTTATTTCGAGTGGCCGAGACCGCGCCGCGGCGGAGGTACCATTCTCAA
AGGTGTCCCTTCTGGTCCAAATATAACTGCATTCCACTGCATGATGTTGTTTTCAGATGG
TGCGCCACTGACACCCACAGGTGGGTCTCTTGTAAACCGCTTGAAATCCCGCATGAGCCT
CCTCCGGGCGGGGTGACATGCTCCGCGAGCTGCCCGCGGTCAAGTCTTGAAAAA
AAAAAAGAAGTACCTCGNCGCTCTAGAACTA

Sequence 2356

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTACTTTTC
TTTCTGTTGGAACAAAAGAGTTGTCTTAATTTTAAATCTGAATTCTGATTATACAAGTA
AATTCATCACAGTTATTAGACCATTTAAATAGGATCATAAACACATTGAGCATCTGCT
NTTGCCCAAGGNGTCAGGCACCATGCTAGAGCCCCACAATGTCACCCTCCAAGTCTCATA
GCAAATGCANATGANACTTTTTCATTGATTATGAAGCCTTNTATGACATNTGCTTNANA
ACCTTAAAGCTGCCCATGCCACCTAGAGNGACCTAAACCTCCTAGTATCTGCCACCATA
AATGGGTTGCGCACCTGCCTGCGATTCCAGGCCAGCTGA

Sequence 2357

ACCCCAATCTCATCATGAGGGCCCTACCCTGATGGCTTATCTAAACTGAATCCCTCCCC
AAGGCCCGCCTCCTAATCGACTCCCATTTGGAGGTCAGGATTTGAGCATATGGGTCTGGG
GGGGACACANATGTGCAGTCCACAACCCCGTCTCTGCGCGTCTCCTTGAGGAGCAATGT
GGGTCTTCTAAGAGCCGTGGATGGGAAAAATGTATGCCAGGCCTATGCCTGCATACACA
GTTTAGATACCACTGTGCCAGCCTCAGTGTGCANACCTGGCCCGGCTGTGGCTCTTGAA
GTGTGCCAGCCTCTGACCGCCCAAGGGCTTGCCAGCATCCAGTTGCAGGTGTGGCTCCT
TCCTTGGGGTTCTGTCAGCATTTATTGGCCATAACTCATTTGGCACAGGTTGGATGCTGT
CTCATAGCATCACTTACAC

Sequence 2358

CCGCGGTGGCGGCCCGAGGTACCTTTCTTCCAGGCCATGGCAAAAAATCCAATTATGT
CCGTCTTGAGTCTGTGGTCTTGCTTCTTATGTAGTATTTCTTTGTGAGCTGAAGATTAA
TGATGGATTACCTCCTTCAGCACATTTCAATTTGTAAGAAAAGATTCCAGGCA
CTGAATGTAAATTGAACATGACATTTGACATTCCTTCTTCTGAGAGCTGGGTGGTCT
TAGTTGCTGTGAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGA
ACATCCTCCGAAGTCCCCGCGTACCTGCCCGGGCGGCCGAGGTACAGGTCTTTGCGGATG
TCCACGTACACTTCATGATGGAGTTGAAGGCGGTCTCGTGGATGCCGCAAGATTCCATA
CCCAGGAAGGAAGGCTGGAACAGCGCCTCCGGACACCGGAACCGCTCATTGCCAATGGTG
ATGACCTGGCCATCGGGCAGNTTCGTAGCTCTTCTCCAGAGAAGAGGAAGGATGCCGCGG
GTGGCCATCTNCTGCTCGAAGTC

Sequence 2359

CGCGGNGATGGCTGGCCAGAGGAGGAACGCTTTGTGTNCTCATCGGANCTGCATGGGAAG
TCTGCATACAGCAAANNGACCTGCATGCCTCACCTTATGGAAAGGATGGTGGACTCTGGC
CTCCTGTGGCTGGCCTTGGTCTCCTGCATTCTGACCCAACATCTGCAGAGCAGCGAGGTA

Table 2

AGTATTCTGCTCACCTGGCATCTCAGATGTCAAGGAAGACCTAGCAAGTGAGGATAGAAG
TGCAGAGAAGGTGGCTCAGGCAAGGAAGAGGAATTGGCAGTTCTAAAGCAAAAACCTCAGA
GCTAGAAGTCAAGGGAAACAT

Sequence 2360

AGGTACGCGGGATGACCAGCCACATCTGAAAAGGAAAGCATTCTGCTCTTTCCAGATCTA
CGCTGTGCCTTGGCAGGGCACAATGACCTTGTGAAATCCACCTGTCAGGACGCCTAGGG
GTCTGTACCTGCCCCGGCGCCCGGGCAGGTACCGCGGGGGTCTTTTCACATTTCAA
ACCTCCAGTTTAATTCCTCTCTGGAAGATCCCAGCACCAGCTACTACCAAGAGCTGCAGA
GAGACATTTCTGAAATGTGAGTGATGTGCCATTTCTTTCTCTGCCAGTCTGGGGCTGG
GGTGCCAGGCTGGGGCATCGCGCT

Sequence 2361

CCGGGCAGGTGGCGGCCCAAAGCAGTGAGCGGGAGAGCCGCGACATCGTGTCTCAGCGC
TGGCGTTCGGGAGAAAGCTAAGGCTCGCAACGCTCANTCAACCCCCCGCGTACTCCAT
AATTTGGAATTGCTGCCACGTTGAATCATAATGAACCTTAATTAATCATCAGTTTTGGC
ATCATAGGCTTCTTTCCAACAGGGGAGCCGCTGTTGCAGCAGAGGCCAACCCAATCAGTA
GTNCCTN

Sequence 2362

AGGTACACGCAAAACCCACCTGTGTAAACACACACAGCAAAGTGATGTAAGAAGTTTCCA
TATAAAGGGCTGCAGTATGGAGAGGTAATGTGCAGGCTGGTTTGGCGCTGTAGGGGGCCAC
CTTGCTGCAGCTCTCCACTGATATGGTACCTGCCCGGGCGGGCAGGTACGCGGGGGATG
AAGAGTAACGCCATTACCGCCGAGCCGCGAGAGCCTTAGCCGACGGAAACTGGACACT
GGACCGGCAGCGCCATGAGACTCCTCCCCGCTTGCTGCTGCTTCTTACTCGTGTTC
CTGCCACTGTCTTGTTCGAGGNGGCCCCAGAGGCTTGTTAGCAGTGGCACAAGATCTTA
C

Sequence 2363

AGGTACCAACCAGGCCACACAACAGCATAGAAGTGGGGGGACCAAGCTTCTTTCTATAAA
CAAAGCTCCTTGGCAACACTGGACTTGTGTGTAATCTTTTCCCTTTGTGTCTAGAATGC
CCTCAACCCCCAAGTCTCACACCTTCTACTTCTACCTCTCCCTAATGTATTTAACTCATT
CCTTCACTCTCAACTCCTAGTTAATTTCTTCAGTAAATCTTCCCTGACTCTCCGGATGA
GTTTAGAACATGTATATGCTCTCTAGGCACCATTTATGTAACAGCTTTTTTGAGATATGA
TTTACATACCATACAATGCACCCGTTTAAATGTACCTGCCCC

Sequence 2364

CAGGTACGCGGGGGTGGTCGCGAGGGAGCCGGAAAGATGGTGGTTACCAGATCTGCACGA
GCTAAGGCCAGCATCCAAGCCGCGTNGGCTGAAAGTTCCGGGCAAAAGAGTTTTGTCTGCT
AATGGGATTCAAGCGCATCCAGAAAGTAGTACCTCGGCCGCGGGCAGGTACGCGGGAT
TCCTGGCTTTTTAACTTTTCCAAATGTAACCTCCAGGTGCTGANAGAAAGGAAAAATTA
AGACAGTTTATGAAAGGGAGGAGAATCAACAAATGGCACAGGTCACCCAAATGCCAACCA
GAAAGTGCTCATTTTCTAGGCTAAAAATTGAACCTGAACTCAGGCCACCATTTGTGAAAAG
ACAAAGCCTTAAGCTGCTAAGCTACAGCATTGGGCAGNTTCCACTGCTTTTCCANAAGGA
GCCCANAGCAGTAAATTTGGGCTTGCAAAGGCTTTTAACTGCTCAAGATAATTTGTAGA
GCTTAAGTACTACCCCCAAAATCCCTGTTGCCTGGAAGGCAGGAGACCAAGAAGAA

Sequence 2365

TTTCGCTGCATCCTTAGAAAACCTCCCGTGGATGAGAAGATCCCCAGGCCTTTACAAGCT
GTTGTTTTACAAAAGGAGAACTGAGGCAGGAAGAGGCGGTGGATGTGCACCAGAGCAGC
TGGTGCGTCGGTGCATANCTGAGGGCACATGGAACATTCACCAAGATAAACCATATGCTG
GAACATAAAATTTATGGATGTCACCCATGAAGCAGAGTCTTCAGACCCTCAATCAAAA
CAAGTCTCATTTTACATTAAATTTGGAGGACTATCTGGAGTCTCTGACCACCGTGTGACAG
AAAAGAGAGCAGAATTGTTGCATGATGGGTAACACTCATCAGTAATCGCTGTTTGCCAAG
CCATCTGGGAGGAGACCAAGAGCTATAAAATAAGTTCAGGCACGGTGGCTCATGCCTGT

Table 2

AATCCCAGCACTTTTGGGAGGCCGAGGGTGGG

Sequence 2366

ACTTTCACTTTATAAGTGNGGCGGAAAAATTTGGNGAAAGCCTTNCCAACCCGGGCGGGGT
GGGNGCGGGGCCCGGCAATTTCAATTGGGCCGGTTGGGGGGGAAGGGTTCTTNGCTTTG
GTTTGGGGCGAAAAACAACCCAAANGGGAAGGGAACAAGCAATNCCCCGGGAAGCTTCNGTC
CCTTCNGGCNCAAGGCAATCCCNCAATGGNAAGCCTTCCCTTCAACGGGGGGGCCCTTCN
GTNTNAACAACCGCCTTCTTCTTGTTCATTGGCTTGTCCCAACCCAACGGAAAAAGGAA
TCAAGGGGGCCCTTTTGGTGGTTGGTTTCTTGGGNAAAAGTTAAGTTGGGCCCGCCCCAA
CCAAGNGGNGGGNCCCCCGGNAATCCTTTTGGTNCCCTTGGGGGCCCAACCCCCAACGTT
CCCCCAACAACCAAGTTGGGAAAAAGCCTTGAATGGTTTCTTTTGGTTAACCCCTT
CGGGGCCCGCGCTTCTTAAGAAAACTTTAAGGTGGGGNAATCCCCCCCCCGNNGN
NCCNTTGGGCNAAGNCGGAAAAATTTTCCGGAATTTAATTTCAAAAAGGGCCTTTTT
AAATTCGNAATTAACCCCCCGGNTCCNGAAACCNCTTTCCCNAAAAGGGGGGG
GGNGGGGGGGGGGCCCCCCCGGNGGTTTANCCCCCCCCAAAGNCCCTTTTTTTTTTN
GGNGTTTTTCCCCCCTTTTTTTTAAAGTTTGGGAAGGGGGGGGGTTTTTAAAAAT
TTTTGGGCCGACCCGNCCTTTTTGGGGGGCCCGGTTTAAAAAATCCCAAATTGGG
GGGTTCCCAAATTTAAAGGCCCTTTGGGTNTNTTNNCCCTTTGGGTTGGGGTTGGGAAA
AAAAAAATTTGGGGTTTTAAATTTCCCCCGGGCTTTCAAACCCAAAAATTTTT

Sequence 2367

TTCCGGCACCCACTCATATGCGCACTCCCTCCTGCGAGGGGCAGAACGCAGTGGGTCTGA
GTGAGTGGAGGTTGAGCCCTCTGGCGCCAAAGCAGCCGGCTGGTTTCANTACCTGCCCGG
GCGGCCG

Sequence 2368

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCG
AGATAAGTCTCTCTTGGTTTGAGCTCCACCTTTTCAGTGAACCTTACATTTTGGGGG
ATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTTGATTCTTGAGAAAAGTGAGTGGT
GGGGCCAAGATGGTTGACTAGAAGCAGTTAGTGTGTGCCACTCTACAAATAGCAGAAAG
AGTGGTGAGACACTAGCTCTTCAACCGGAACATCCANGTGGACACATAAGGATTCATCAA
GTGACATAAGTGTGACCTTCGGATCACCGGAGAAAGTTGAGACAAGATCAACCATTAC
CCAGGAGTGGGCNCAAGACCCAGGGGGAATCCCCCT

Sequence 2369

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAATTGTCTAAGGTTG
CAGAAAAAGGAGCCCGCTTTGTATTTCATTTTGTCTCCACTGAAACACTTCCAAATGGC
TTCAAAGTTGTCAACATGAAACCAACNTCACTTNTACTAGTGAAAAAGAACAGTGCTGT
CGTTTTCTGTAGGGGAAGAAGTTNTTGGAAAANAATTAATTTTAAACAAAACTTTTA
CTTAAAGAAATGGAATGCATTTAACAGAAGAGAAAAATGGGGAACCTATGGAGCCATTAA
ACATTTACATAAAACAGTAAAAGTTTTTTTTTACCAATGTGGGCTCCCTCCAATCTACCA
CAATGTGTCCAGTTTCAAAGAAGCCAGGTCACCTTNGGAAGTAGTCATTGTATTAATGGA
GGATTTTTCTGGTGCAAAAAGCCGTTCCAT

Sequence 2370

CCGGGCAGGTACTTTAAACATGTAAGAGAAAAATGCCAAAACCATTTTGATTAGTTTAA
TTTTTTTTTAAATAAAAAAGTAAGTAAAAATCAACCCCAAATGGAAGGGTTAGTATAGT
TGACCCTTGAACAACACGGGTGTGGACTATGTGGGTTTACTTTCTANTTNGGTTTTTTTA
AAAAGTACCT

Sequence 2371

AATACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCCGGGCAGGTAC
AGATGCAGCCTGGCTAGGCAGAGAATCCCTTGTAGAAAGGTGGGGGAGAATCATAGGATA
TTATACTGTAAGGAACATGCAAGATTTCCAGATTATACCCTTGATAGAATAGATAAGT
TCCTTAAGGCTCAGATCTTGCTTAAAGCCCTTCCNGCCCTTGTTNNNANACCAANTATN

Table 2

AACACNGAAGCNTGGCCTNTTGGAGTCTTTTATTGAGTACCTNGGCNCGCTCTAGAACTA
GT

Sequence 2372

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACACACATGAGAACTGAA
ATGGCCCAAACCCAGAAAGAAAGCCCAACTAGATCCTCAGAAGACGCTGGTAGGGACAAT
AACCGATGAGGAAAAGATNNNTTCTTGTCACCGCTCTGTTATGATTTCTCTCCATTGC
AGCAGAAAGCCGGTNTTTTTTCAGCANNACCNNCCTTNGTNATTGNATGGGCAAAATTNGA
CCANCACTTTTTGANGGAGCNAGGAGAGNGGTACCCTCGGGCTCGCTCTTAGAACTAAG
TTGGGATCCCCCGGGCTTGCAGGAATCCGATATCATAGCTTANTCGATACCCGTCCGA
CCT

Sequence 2373

TGCTTCTGCTATGGCGAGGAGCCCTCGGCCTCCAGCCACTGTGCCACGCCTACCGGTTT
TCTGGGGATGTTGCCACCACCTCTGAAGAGTGAAACCAAGCTTTCCATGCAGGAAGAGCC
AGGTGCTGGGGCTCCCGCCCAACTGTGAGGCCACAGTGCTTAAGGGAAGAGCACCAG
GGCTCTACCTTTCTTTCTTGACAGTGGGTGAGCAGCGCAGGCAGAGATGTGCAAGGTACC
T

Sequence 2374

CCGGGCAAGGTACTCTCTCTCTCTCTCACACACACACACACACACACACACACACA
CACACACCCACCAAACAACAGTGTATCCACAAATGAATGAATGAAAGTTTTACTTATAAC
TTCACTGAAACACAGCTTTTGCTTATTCTAGTTTAGGAACCATNNGGGATATTTTTGGG
GAAACCTTTTTATGGGATTTAAGAAATGATCCCTGGCTGGCGCGGTGGTTCACGCCTG
TAATCCCAGCACTTTGGGAGGCCAAGGTTGGGTGGATCACGAGGTCGGGAGATCGAGACC
ATCCTGGCTAACACGGTGAAACCCCGTCTCTATTAATAAATGCAAAAATTAGCCAGACA
TGGTGGCGGGCACCTGTAGTCCCAGCTACTTGGGAGGCTGAAGCAGGGACAATGGC

Sequence 2375

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTGTTGTTGCTTTG
TTTGGAGGGTGTGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCTTCCAGGC
CACTGTACGGCTCCCGGGTAGAAGTCACTTATGAGACACACCAAGTGTGGCCTTGTTGGC
TTGAAGCTCCTCAGAGGAAAGGCNNGNAACAAAATTGACCAAGNNGGCAAGCNCTTTGG
GGCTGACCTAAGAACGGTCANGCTTTTGGTCCCTCCCGCCCGAAACACCCCAATTGC
CACTACCCCAATATACANGCACCACAAGTANATAATCANCATTTCATCTTGCCTGGNC
CCCCNTGATGGTAGAGGGCAAGCTTTGTTCCCAA

Sequence 2376

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTC AAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAAGTGAGAAATTCCTTGAAATTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCCAAAAGAAATTCAC
TGGATCTGGAAGAGGAAAGAACTGATGGTGTTAACT

Sequence 2377

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGTTCGTTTCATCATTGTTGTTTATTT
TTTTAAATAAAATAAAATATATATATAGATGCTCTGCAACAACTCTGTGACAGTAT
CCTTCAGTAGAGAAAGTTTCTTACTTGAGTACGCGGGCACCCGGCTGATTTTTGTATT
TTTAGTAGAGACAGGGTTTTGATGTGTTGGCCAGGCTGTTCTCGAACTCCTGACCGCAGG
TGATCCACCCACCTCAGCCTCCCAAGGTCTGGGATTACAGGTGTGAGCCACCGTGCCCC
AGCCAAAAGGAATTCATTTTAAACAACAAAATCCATTATTACTTATAAAGGTAAATTATA

Table 2

CTATAGAGGTTAGATATACTTGTCTTCACCTTTAATATAGAGTAGAAAATCCATTTTACA
TACTACTGACTTTAAATAATGAGCAACATTTACTTGCACTCTTTTAAATGTGAATCAAGG
GATTTTTTGGTGTGTGGTGTCTACCATTTCCTATTTTCTTTCAATTTTC

Sequence 2378

CCGGGCAGGTACACGGGAGTGTATGGCCTAGAACTCCCATCATACCTGTGCACCAATTGA
GGAGAGACACATGGGTGGGAAATTGCAATAAAAAGACGGCCACAGCAGGCTGCATTCCC
ATGGCTGGCCAGAGGAGGAACGCTTTGTGTTACATCGGAGCTGCATGGGAAGTCTGCAT
ACAGCAAAGTGACCTGCATGCCTCACCTTATGGAAAGGATGGTGGGCTCTGGCCTCCTGT
GGCTGGCCTTGGTCTCCTGCATTCTGACCCAGGCATCTGCAGTGCAGCGAGGTAAGTATT
CTGCTCACCTGGCATCTCAGATGTCAAGGAAGACCTAGCAAGTGAGGATAGAAGTGCAGA
GAAGGTGGCTCAGGTAAGGAAGAGGAATTGGCAGTTCTAAAGCAAAAACCTCAGAGCTAGA
AGTCAAGGGAAACATAATGAGAAACAATGGGAAATCAAGTCACAATCTCTCAAAGAGCCT
AATCAGAAATTTCTCTGAAAGGGCANTGGGAGCCAGTNACATAATTTCCCATGCCCAT
TCTTTGGGGAAGATTTNAGACCCCCAGATTAAAGAAGA

Sequence 2379

GCTT
TTTTTTTTTTTNGCCAANNCTNANNNTTNTNNTGCAAAAANCCCTTNANTNTNCCCTGGCCC
CAGGCTNNNTTATNAAANNGGNNNNNNAGNGNTTCCANNNTTNTGNTCCANGTTNA
GGTCCNCCCANCNGGNGGGNGGGGANCCCTNANACCTGGNNCCCTGNGNGCCNNAN
NNCNGGAAAAANNNTTGANNTGGGNANANGNTGCCCCNTNGGGGNGNTNCGNNNANG
NNTTAAAGGGNATTTNNTTATCCAANTTTTCNNGTCCANNNGGTNCCTTGNCNNNTT
AAAAANNGNGGANCCCCCGGGCNGNNNNAATTNTATNTAAAGNTTATTNATNCCNNCNC
CCNANGGGGGGGCCCGGNCCCCAATTTTTTCCNTTNTNNGGGGAAAANTNCCNCNGG
CNGAAATAAGGAAANAAGNTNNTTNTNNGGNAAAAATTNTNNTCCTCNCACATTG
AATGAAGGAANGGGGAGTGTCCCGNACNCTNAAAAANTTTGAGCCCTTGNTNGNTTC
TTNAGGGGNANCNAGGAANTTGNTTNAANNNGGANANNGCCCCCNCNTTNTTTTTT
TNTTTTAGNGGAAAAAANATCCGGNCTGNGCCNCGCNAAAAANATTTANTNGACTGGNN
CNTTTTTGNGAAAAANAGGGGNCNCCCCCCCCCCCCCCCCCCCC

Sequence 2380

CCGGGCAGGTACGGGTGCCTGGCCTCGCTTCTGCCCCACCACTCTGCCCAAGAACTGGCT
GGCTCCAGGATTGGTGCCCTTCTCTTATGGCTCTGGTTTAGCAACAAGTTTCTTTTCATT
CGAGTATCCCAGGATGCTGCTCCAGGCTCTCCCTGGACAAGTTGGTGTCCCGCACATCA
GACCTGCCAAAACGCCTAGCCTCCCGAAAGTGTGTCTCCTGAGGAGTTCACAGAAATA
ATGAACCAAGAGAGCAATTCTACCATAAGGTGAATTTCTCCCCACCTGGTGACACAAAC
AGCCTTTTCCCAGGTACCTCGGCCGCCCGGGCAGGTACTTTNTTTTTTTTTTNTTTTTT
AGAATGCAAGGTCTTGATTTAAGTAGCCTGAAATAATCTTTTAAATGGAAAATAAGAT
TAATCAGAGTGAAAATTAAATGNNTTTTGACNCACNGAATCACANGCCNCGATNAAATG
TATATATTTCTGNATCTATATGTTTTCCAGGGCCAATCTTTNAAAATGGAGCTGAAAAA
CCAACCTGTTTANAAAATAGNNNNNGNTTTTGCAAGTCTTTTGGCCTTTGCTNNTTAANA
GTATTAATAAAAAAATTTTGGGCCACANATACNNTTNTATTTTTTCCNGTTCTGGGG
AATGNTTCTTGNNAGGGGNTTTTANAAGATTGACCCATTGGGGGTNGGGAANAANAAA
ATTGGTTTTGGGGATAAGGGCCTTCCCCCCCCCCCCCCCCCANNTTNTNTTTNCCAN
TTGGGGGG

Sequence 2381

CCGCGGTGGCGGCCCGCCGGGCAGGTACATTCGGGGCTGGTTGACTGGTAAGCTTTCAT
CTGCTGAGAAGATTAGAAATCTTTCCGATTTAGGCTGAAATTAGAACCAATTTCTTG
TCTTCCAGCTCTTATTGTGGGCCTTATTCTGCAAAGAAGGCTGCAGTGCCAGCGGAGCT
GACTGCCAGTGCCAAGTGTGTGACTGACATAACGTATGGAGGTAATCCACACGTGTAGCT
CANGAAGGCTATTAATAAGAAGTGCTATTTATGCTGGTTTCTGGGGACTATACCTAAC

Table 2

TGAAAAGGCCAGTTCAAGTACCTCGGCCAGGTA CTCTGCTCTCATTAGGATCAATAAGT
GCANAACGGGAAGTTTTCTGCTGAAGCCTGACTATTGGTTAACACATTGAAAGAAAGTAG
ATTTCCCAACATTTGGCAATCCAACAATACCAATTTTCAGTGAGGTTCCAAATCTTCCAA
TGATTGGGGGTGGTTTAATTCCATCACCTTCCTTTTAGGG

Sequence 2382

TGCTTCTGCTATGGCGAGGAGCCCTCGGCCTCCAGCCACTGTGCCACGCCTACCGGTTT
TCTGGGGATGTTGCCACCACCTCTGAAGAGTGAAACCAAGCTTTCATGCAGGAAGAGCC
AGGTGCTGGGGGCTCCCGCCCGAACTGTGAGGCCACAGTGCTTANGGAGAGCACCAAGG
CTCTACCTTTCTTTCTTGACAGTGGGTGAGCAGCGCATGCAGAGATGTGCAAGGNACCT

Sequence 2383

CGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGCAGGGCAGTCAGACTGGAACCATGGA
GCTCAGCGTCCCTCCCTTNCCTTGCACTCCTCACAGGCCTCTTGCTACTCCTGGTTCAGCG
TCACCCTAACCTCCCATGGCACCCCTCCACCAGGGCCCCGCCCTCTGCCCTTTTGGGGAA
CCTTCTGCAGATGGACAGANAGGCCTACTCAAATCCTTTCTGAGGGAGTGATCTGATT
GCCGTCAATCAATAATACCTTTGACCAAGGGACTCCAATCAATTCAGCATGTTTTGCCCTA
ATGCCTTTTGTGTTAATACTGNTGCGGGACAATCAAAGACTGGAGAGATCAAAAAAAAA
AAAAAAAAAAGTNCCT

Sequence 2384

CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACCACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAAGAGACAAGGAGAAGGCCTTAGGATCTACTGG
GGGAGTCCGGAGGAGCAGTCTCTCTGTCCTGCTGGAACCCATGGTCCACTGAAGTTCTCT
TATGCTACTTTCACTGAGCATCCTATGAAATACACCAAGTGAGAAATTCCTGAAATTTGC
AAGTTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGATTCA
ACTGGATCTGGAAAAAGAAAGAACTGATGGTGTTAACTGAACCCATTTTGATTGAGACC
TACACAGGGCTGATGTCAATTCATTGGAAACCGCAACAACTTGGCTATTCCCT

Sequence 2385

CGAGGTACTCAGCAAAGTGATCCACACGTTCTTTATACTGGGGGGTGGAGAGCCGCCGG
CACTAGTTCAAAAAGTTCTGGTCCACCTCCTCTCGGAGTTCAAAGCCCCAGCACTCCGGC
CCGGCCGAGGTACTTTCAATTAGTTTTCAATATCTTCTGAGTTTTCTCTTAGGTGG
TTGGTTTCTGGGTAAGGCAGAGTTAGGCTGGTGCACACACTATTTAGGAAGTCCTGTCTC
GTGGCTGACAACATACATGTAGTGCTCAAGGAAGTGAGTTAAGGAGTGACATGGGAATCA
AAATGATGCCCTAGAATAGTGAATTTGGGAAACAGCCCTAGATTTGACATTTTGAAGTT
CACTGTNAAGAAAGAGACCCCAAAAAGAANGAAAAAGGGGAAAGGGTTCTCAGCTAAA
TATCCCACTCATCCATGCCTACTCAAGCGGNCAGTGTGAACAAAGGCCATCTTAATCGGG
GCCAAGAGATTACACTTTTTCCCTTNGTAACTTTAANCTGGCTTTNTCTTTGGGGNATG
TTGCCTTAATNGGGANGGGTGAANGGGGG

Sequence 2386

AGGTACGCGGGAGTAAGTTATAACCTCTGGCCTTTGTCTTTACATTTTCACTTTCTGGA
TCCCTAACCTTTGGTCCCAAGTACTACCCTTGCTATATCCACTAACCACTCACTAGGT
CACAAGTTGATGGCTCTGGCTTGACCCAGTGAATGAGAAGTGCTCTAGCTGTTTTTTT
TTTTTTTTTTTCGCAATCTTCATAGGCACAGTTGCCTGTTTAATTTTTTTCTTCAGCCCT
TCCCTTAGAGGAGGGAGCCTTAAGTTACCTTTCAAGGTTGGGGGTAGGAATCTATCATA
ACTAGTCTAGAGATTTCTNACCAAGGGAAATTTTCTTATCTAAAAGAGGAACCTNAGGT
CTCAACCCTGCCAGTCACACCCAATTAATGTCTTTCACAAAAATAACAGCATATGTTT
CCTTTCAATTTGAGTTCAGTGAGCTCACAGCAAAATTTACCTTTTAATTTCTTCAGCAA
ATCCCAAGACGAATTTACAAAGGATGAGATTAGATAAAGATTTCAGTTTCCCGTATGCC

Table 2

ACCGCTGNCCGCCCAATTTTCAAAAAAGCCTGGCTCCTCTTTTCTGGTC

Sequence 2387

CCGGGCAGGTACGCGGGGAGATATACTGAGTGAGCCCTGAGAAGCAGTCTCAGATCCTGA
CGGTGCAGCAGCCCGCAGCCTCAGCCAGGGAGTCCCAGCCGCTTTCAATGGAGGAGAAGC
CCGGCCAAGTATCTCTTTTCTACAGCCTTATTAACTAACTACAAACATTTATTTTCCAA
TTTAGTTTTACTTTTCAGTGCATATCAAAGTTGTTGTACCTN

Sequence 2388

CCGGGCAGGTACGCGGGAAGCAGTGGTAACAACGCAGAGTACGCGGGAAGCAGTGGTAAC
AACGCAGAGTACGCGGGAAGCAGTGGTAACAACGCAGAGTACGCGGGAAGCAGTGGTAAC
AACGCAGAGTAGCCATTCTTTTGTTCCTTTACTTTCTTAATAAACTTGCTTTCACCTTAA
AAAAAAAAAAAAAAAAAAAA

Sequence 2389

CGTANTACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTAC
AATGTCCTCGTGTCTTGTCTGGTGCCACCTTGGGTCCCAGTCCACCTGGACATCAGGC
TGACGTCACTCAACAATGGCCGGGTTGTTAATTGCCACCTTGAAGCCATCTCTGGAAC
TGTGCAACTGGGTCTCCAGGCTTGGTCTGTTTCAAGATTAGCTCCTAGAAGTTCTAATCT
CACCTGGCCGCTAGTTATTGATGGAGCCCATATGTGAACTCAGCCAATTCTTACTCTTTT
CCTCTATGGCAGGCTCCCTGCCAGTGTGTCATGGCAGGTCAGCACACGGGATACTGGA
TCTGAGAATCTGATCTCCAGGGATCTTCCCCTTATTCTGTTCCCCTTGGAGGATTGAGCA
GATACCTGTAGATAAGAAGCTGAGCACTGGAGAAATTAAGTAGTCCCAGTCTTCTAGTTA
ACTACTAAGTAAAGGATCCTTGATTACATCCAGCTCTGAGTTCTGAGCATTAACTACTT
TGTTGCATTGCATCTGGTGTGAGTGATTATTCTGTCCCCATCCCCGCGTACCTGCCCCG
GCGGCCGCTTCTAAACTAGTGGATCCCCCGGCTGCANGAATTCCATATTCAAGCTTATC
GATACCCGTNAACTTGAGGGGGGGGCC

Sequence 2390

AGGTACAGGGTGTGTTAGAGAATCTTCTATGGCTTTTTGTGTTAGATTCAAAGACCTGT
GCACTTTGACGGGATGGGATTTTGTCACTTCTGTGACTTCACGTCCGTGTGAAAGAGGTC
TTTAAGGCAGTTTCGGTTTTGTAGATCCCATGCGAAAGGAGTCGCTCAAATCAGGGGGCG
AACTACGCGGGCGTGAAGTGCAGGATTTATTTTTCGGGTGCACAGTAAGTATTCAGTGA
CCTTCAGCGGTGCCCTGACGGGTGGGTAATCAGAGCTCTATATCACCGGCCTCCTCTGGC
CCTTTGGCAGAGGGCTTCNCAGCTGGCACTGGGCCAGAGGAGAACTTCAGGACCCAGCAG
TGACTGTGAAGATAAGCACATCCATGATCTGGACTTCACGTTCTGATTGCTTGCTTTTT
TCATTGGTTTTCTTGAAACAAATTTTGGG

Sequence 2391

CCGGGCAGGTACAAAAAGCAAAGACCCCTTCTCCATCTCTGGATTTTAAAACTGGAAAA
GGATGCTGAGAGGATTGAGCCAAAGAGCCAGTCTGGGACAGTCACTGTGGTCAGCTAGT
GGTGTGCTTTGTCTGGCCACGCTGGGTCTGCTGCTCGCTCCAAAGGGGCAACATACTTG
ATTTGCAGCCCTGGCAGAATCATATGATTAAAGTGTGGGAGGGCGGTGGTGAGGGAAGTA
TCTCCCCAAAGGAAAGAGGGGTATGGAACAGSTAAATTAACAGATGTTTACAAAATTG
TCTTAATTATTTTCCCCAAAATGCATAGCCAGTTTTCCCAATCCTAGTTTTCTCTATTT
ACTTAAATGCCATCTTTATTATATATCATATAGTAAATTATCTGTCTTTTCATTTGCCA
GTGCCACAGTGTCTTCATTTTTTTTAAANCTTTAAATTAAGGAAAAAATCAGAGCTT
ATTCAACTATTCTGGTCAATGGAAATTTTAACAGTGATGCCAGTAGTTTTTAAGAATGTA
TTACAAAATTTTTT

Sequence 2392

GGCGAATTGGAGCTCCACCGCGTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTT
TTTTTTTTCTTTTGATTTTCAAGTCAGTGAACCAAGGCAATCACCGACACTGCCCGCNCAT
TATGGGCCTAATTCTGCAGAGGTCTGACAAACCTGCCAGAGACAGAAGATTAAGCTATT
CCAAATTACCCANACGGAGGCAAGCCCAGATTGGGCTNTCTGGGACAGANGTGGGGGTGG

Table 2

GGGGACCTTTTCATTTCTGCTCTTTGGAGACCTCCAAGACTAAACAGTTTAGGCCACATT
TGAAGAAAATTNGCTTTATCCTTTCA

Sequence 2393

CCGCGGTGGCGGCCGAGGTACAGTATTGAGAAGTAGGGAAAGAATAGAAGGAGGAGTTGA
ATCTGTAATTGACTGAGCAATCAGTTGAGATAACTCACTGCCTCCACATAACCTTGGGCT
GTCCTATGAGTCAGTGAGAGCAACCCCTCTCATGTAGGTTCACTGAGGTAGCTCACT
GGCACTGGGAAAGTTGATCAGGGTAGTCCCATCTCATGCACAGCCCCATTTCCCATGAG
CCGCTAGAGTGGCTCGTATCAGAAAGATGCCATACCAATGCTGGCAAGGACCTGGAGCA
·ACTAGAATGCATGTGCATTTACCTTGTCTGACAGCCACTTTGGAGAAGCTTTTGGCTGT
TTCTTATAAAGCTAAACATAATCTTCCCAAATAACATGGCAATCCCACTTCCACTTGT
TATGTGAAAA

Sequence 2394

TCTCTCACATTTGAGACTGGGGAAGGAAGGCATACATGACAGGCTGGGCCTCACCACACC
CACCTGGACCTCAGATCCCTTGTGATGGGAAGCCCACTTGGGGAGTAGAACCTTGGCAA
TACCGACTCAGGGTTGGTGAATCGCCTTTTCATGACAATTGATGATTCTCATCCACTGA
GGAAATTACATTTACCTGAACTCCCCAGTCCCTCAGGCAATGGCCAGCANAGTGTCAGA
GGGCACAGCTGAAGGTGCCGAGAGTCAGCATAGTGCATTTGCTGCAGGGTGAAGCTTTG
CAAACGAGGAAGGCTGGCAATAAATGTACCTTCGGCCGCTCTAGAAGTGTGGATCCCC
CGGGCTGCAAGGAATTCGATATCAAAGCTTTATCGGATACCGTCCACNCTTGAGGGGGG
GGCCC

Sequence 2395

CCGCGGTGGCGGCCGAGGTACGCGGGGAAGCGCAAAAGAAGAAAGATGAGGCAGAGGTCC
AAGTAAACCGCTAGCTTGTGACCCGTGGAGACCACAGGAGCAGAAACATGGAATGCCAN
ACGCTGGGGATGCTGGTACCCGTGCCCGCGATGACGCCGAGCTCCNGCCCCGAGCCCTGG
ACATNTACTCTGCCGTGGATGATGCCTCCCACGAGAAGGAGCTGATCGAAGCGCTGCAAG
AAGTCTTGAAGAAGCTCAAGAGTAAACGTGTTCCCATCTATGAGAAGAAGTATGGCCAAG
TCCCATGTGTGACNCNTGTGAGCAGTGTGCAGNNAGGAAAGGGGCAAGGATCGGCAAGC
TGTGTGACTGTCCCNAGGAACCTCCTGCAATTCCTTCTCCTGAANTGCTTATGAAGGN
GCNTCCATTCTCCTCCATACATCCCCATCCCTCTACTTTCCCAGAGGGACCACACCTTC
CTCCCTGGAGTTTGGCTTAAGCAACAGATAAAGTTTT

Sequence 2396

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATAGCCCCAGAAGGGCGGACTG
GCCGGAGTCCAGGGATGGCAGCCAACGCCCCATAACAGAGATCAGCATTGGACTACAAGA
AGAGGCAAGGAGAAATCAAGGATCAAAATTTAAGTAAAAGAAAAGCCAAGTCATTAATA
TAGGCCCTCATTTGAAGAGTGGGAACGTAGGTGTGATGTTCTGGCATAAGGAGTGAAAAA
GAAAAAGCTCTATTACTTTGAAGCTTTTACCAGGGGCAGAGAGAATGGCCGGAAGTGAGA
AACGTGTGTGTGGATGCTTACACTGATGCCGTCTCCTAATATTGGAACATGGCTCCAGAA
AGGAGAACCAATTATTCCTAATTCACGGGCGGCATTCTCTGACTCCCAAACCTCCCAAAG
TGGAGGGCAGGAGCTGCCCTTACCTTG

Sequence 2397

AGGTACCTTTTTTTTTTTTTTTTTTAAACTCCCTTTCCTTGTATCTGAACTTCCA
AACATCAGCTTTGATGTCTATTGTTGGGACTTCAAGAGGACTTTAGCACATCGGCAGGT
GTTGGTTTTAGTGAGCAGGCGANAGTCCCACATTCTTCCAAGGAGAGAGATGGGTCCAC
CACATTCTACCCCTAGAGCANAAGTTCCCGCGCTGTGCCTCTTCTCTGGCTGCTTGCTG
AGGACGTCTCCAGTGGGTACCTGCCCC

Sequence 2398

CCGCGGTGGCGGCCGCCCGGGCAGGTACCTAGAGAGAAAGTGGTCCAAGCACAGGGAATT
GTGAGTGCAAAAGCTTTAAGGTGGAGTCATGTGTGGTATGTTGAAAGACAAGGTAGGAGG
CCAGGGTGGCTAGAGTGCAGTGAGCCAGCAGACAGCAGTAGACACTGAGGCCAGAGGGTT

Table 2

AGAGGACAGGGCCTGGGCACCATCAAATAAGCTTTGGAGTTCCTGTTAGGGTCGGAGATC
TCACTCAGTGACATGGGGAGCCCTCTCCGGAGGCTTTGGGCAGAAGAGTGGTATCATCC
CACTCAAGTCACGTCGGCTGCCATGTGGTGATGAGGCTATTAGGTGGCTAGTGTCAAAGA
AGGGAGAAGCAGCGTTATATTGGAATGGGCTCCTACCAACTCAGCAGAAGCCATGTGTGC
ATCTCTTCTGAACCATGCCCTCATGTCACTTGAAATTAGCCACGGCGAAANGTAAGTCC
ATGTGGAAATCTGCAAATACTATAGAGGATTTCTTCTCCCTCCCCTTGCCCTTCCCCTTC
TCGTCTTCTGCACTTCTTCTTCTTCTTCTTCTTCTCCTCCTCCTCCAGTNCTTCTTTT
CTCTTTTTTTTTTACAACATTATATATACTTATTTTA

Sequence 2399

CCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGAGTTGTAGAGAATTTTACCCTGCTCC
TGGAGTGGTCTGGAGGCTCCCATGAGGTCTCCATGTGGAGGCGCTCAGCAAAACACCTT
AGCAGGAAGCAAGCGCCTGGATCCTTCCATGCAGCTTTCAAGTTCACTGGTGGCCCCGCA
CTGCTCCAGGCACTGGGGAGACAGGTGTGAACCAGCCTAATGCAGGCCCTGTCTTTGAA
GAGCCCCATTGAGAAGGACAACCAGATGTATAAACAGATAAATTAGGAGACAGGGTGACA
AGGGAGATGGGGCAGCGGGACGAGGAGATAACCCCCAAACACTAGATTTGAAGTCTAACG
ACTCAGAGATAAAAAACCCTCTTCCACCGGACAGCTGGGTCAATTTGACCTTGACCTTCTGT
GTCTTCTATAATAGAATGGTAACAACACCATGATTAGTGAGCTGACTATGTGGTAAGC
TAGTGTTTTTCTTACTCTACCTGTAGCCTCTCCATGCTCCTGTGAGATGTGTTATTCTTA
TCTTACAGATGGGGAAATGGAAGCACAGAGAGGCCAATACA

Sequence 2400

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCTGGCGCTTCCTA
AGTCCTGGCAGCTAATGATTGTGGTGGTTGTCATGGTTTTATTTCTATTTATCTTTCTT
TTCATCATTATCTTGGCTAGTTTCTTCTCTCCCTAGAGGCAGACTTAGTTTGATGCCAA
AATCCTATAATTAGTGAGAAATAATGATCCAGGAACAGGTATCATCCGATAGCCACAGAT
CCTGTGAGTTCTCTGCAAAAGTCATCTCTACTGAGCAGTCGCCTGCCAGCCCTCTTNCTT
TAGCTCCCATAAGCAAAACAGACCAACTCCCAAGTTGCTTGTTATGCATTTCTGGCTCA
CTGCTACTGTCTTCTTTTAGGGTTTCACTAAGAATCAATGCCTTCAACTGGGCCAAGG
GTGCGGNAAGCTGAGCTTCAAGAGGAAGCCGCTTCTCATCAAGCTCCGGCCAGATGCCA
ATGCAAGTGGCCTGGCGGGAAAGGGGACCCGTTGAGCCATTGGGGATGGCNGTGTGTCC
CTGCA

Sequence 2401

CCGGGCAGGTACCATGGAGGGGGGAAATAGGGCATTCTCTGAGAGAAAGGAGCCTTGA
TATTGCAATCCATTTGATTAGTATTTTTGTTCTCTCAGTTCATTGAGATCAAGG
AAACATATTTAAATGGATATAATGTGATGCCAAGTGCCCTCTGGACACCAAAAGCGCCC
CTCCACACACACCTACGGTCAGCTCAGGCTAGAAGGTGCATGTCCCCTCAAGGCCAGGC
TAATGGTGGCCCTGACTCAGAGCGAGCCCTACCCAGCATGGATCAACTATAAACTAACT
GCAGAAGGCACTCATGCCCTGGGTGGGCTA

Sequence 2402

AGGTACGCGGGAGGCTCGGTGGGCGCGGGCGGCGAGATATGCCACACTTCTGCCTGCTGT
TGACAACCTCCTGGACTAGGCTGCTCTTGTTAATCACATGGATGTTGTGAGTATTATAT
TCACAAGTGGATGTAGAGAAGATATTTTTATTTAACTATAAATGCTTACCACATGAGCTA
CTCATGCTTCGCAAAAAANATATTTAAACATTTGTGATCTTGGGAGTTTCATTAATCTCC
AGGGATTTATGCTGCTTGTTCCATTGGTTNAAATAATGGTGGGTTNCANTATCTTCCCC
CTAATNCAATATTTGGACTTTTTTTATTGANAAAAAGAAAACNTTTTTNNNAACCANCAA
NAAGCCTTGNTNGGNTNTTNNAAGNAAAATGGCTTTTTTTGGAATT

Sequence 2403

CCGCGGTGGCGGCCGAGGTA CTACTTTCTTCTACAACGTCCCAGCCGAGCTGAGGTCT
GAGCTGTGCTGCTCAAGGCTGTCCCATGTGAATACAGATGCGGAGACCCTGTAAGGGTAA
CAGAGGAAGCTGTGAACCCAGGGGAAGAAGATAAACTTGTGGACATATGTGCAAGGAGCA

Table 2

ATTTTAAGTATATTGCACTAACCAACTCATGATCTGTAACCTCCTTTGTTAAGGAAAAGAA
TGTATATCTACGTCAAACCTCCATTTTCAGAAAGCCGAGGTCAAATAATGAGTCCTGGGG
AATTCAAACTTGTGTTAAGAAAATGTGTCCAGTGTGCAATGGCTGCAAACAGCAGCTTC
CTTGGTAGTGTATGCAGCCTGTTTGTGTATTGTATGGGTTGCTCTAAGGGACCCTGGAG
ACAGTCCTTTTCAGATGGATGTTTCATGTTTCTGACCTTGCCCTACCCCAAGTGGTAAGGTT
CCAAACAGGCATGCCGAGGGTGCCTTTTNGGGAAAC

Sequence 2404

AGGTACACCCGCGAGTCCCATTCTCACCTTTACACCCCCATCCTCACACAAGTAACCC
GGGTGTCTGACACGTTACTTAGGTTTTTAATCCGCGCTGAGACAATCTCACAGAGACCCT
ACTTCACCTCTCAGTAACCTGCATTTCTCAGCTCTGCTGTGTGTGTGTATGTGTGTGT
GTGTGCGCGCGCGCGCGCGCGCGGTGTGCCGTGTTGGGGAGTGTGATGTGGGGGAATCAG
TTAATTTGGTGATTGCAATGAAAATTCGACACCGCTAGATGTATTTCCCTGCCAATCTG
TGTGTCTGGCCC

Sequence 2405

CCGCGGTGGCGGCCGAGGTACGCGGGCTGGATCCCTAACCTCTGGTCCCAAGTTACTACC
CTTGCCATATCCACTAACCCTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCA
GTGAATGAGAAAGTGCCTAGATGTTTTGTTTTTTTTTTTTTCGAAATCTTCATAGGCA
CAGTTGCCCTGTTAATTTTTCTTCAGCCCTTCCCTTANAGGAGGGAGCCTTAAGTTACC
TTTCAAGGTGGGGGTTAGGAATCTATCACTAGTCTAGAGATTTCTCACCAAGGGAA
ATTTTCCTTATCTAAAAGAGGAACCTCAGGTCTCAACCCTGCCAGTCGCACCCAATTAAT
GTCCTTCACAAAATAAACAGCATATGTTCCCTTTCAATTTGAGTTCAGTGAGCTCACAG
CAAAATTTACCTTTTAATTTTCTTCAGCAAATCCAAGACGAATATACAAAGGATGAGATT
AGATAAAGATTTTCAGTTTCCCGTATGCCACCGCTGCCGCCAATTTTCAAAAAAGCCTGG
CTCCTCTTTTCT

Sequence 2406

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTCTTCTTACCTT
TCCTTTCTCTCTCCTTGACCCATTTCAATTCAACTGCCACCTACTGAGAACCTGTTATAT
GCCAGGGATAGGGATATCAAGATGGATGAGGTCCAACCCTAACTTCAAGGAACCTCACAGN
GTANTGGAAAACCCAGGTNTCTAAAGAAATTATTTAGTCCCATGTGCTAAGGATGGTGG
AGTGTGGTGGTCAAAAGTGCGGACTGAATTCANATCTTGCCCTGCTGGGGGTGACGTCAG
TTGATCTNACTAAGCCTNAGTTTTCTCTGGGAAAATGGTAATTACATCTTCCACAAAA
GGTTTTTANAAAAATTAATATG

Sequence 2407

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCTATTGAATAA
GGGGAAGGGATTGTAGAGGTATGGATACCAGGAGGTGGAGATCATGGGGCCATTTTAGA
GTCTGTCAGCCATTGTCCATCATCTGGGCTTCAGTGATTCATGTCCCTTCCCCATGCAA
ACACATTCATCCCTCCCAAGATCTCCAAAACCTCTCATCCTATTACAGCATCTATTGAAA
GTTCAGAATTTTATTATATAAATTAAGTCCAGGCATGGATGAGTTTCTTGGATGTAGCT
CTTCTTGATGCATGGATCTCAGTGTGATGTCTGCTGGACTGATCAGCGTGGTGGCTGCT
GAAGGTTGAGGTGGCTGTCATAATTTCTTAAATTAACAACAAAAATTTTCTACAACT
ATTGACTCTTCTTTTATAAAAGTTTCTCTGTAGCGTGTATGCTGTTTGACAACATTT
TANCCACAGTATAATTTTATTTCAAAATTTGGAGTTCGGGAGGAGCCAAGATGGCCGAATG
GGGAACAGCTCCAGTCTNCCCGCCGTACCTTGC

Sequence 2408

AGGTACGCGGGGGCGTTTGTAGATGGAAGGAAGAACTTGTGTGCTTAGACCTGACGCTGG
GAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGG
AACTATTTATAACATCCTGCAGGAAAATGAGTCTATATGTCAGAATACACATTTCCCAC
CTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAAAATGACAAGGAAGTTA
ATGGAAGTCAGCAATGTGATGGTGTGGAGGTGGAGCCTTCAGAAGGTAATTAATGCCC

Table 2

TTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCTGCCATGTGAGGAGCCAAGAAG
CCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGCATCCTCA
TCTTGGCTTTCCAACCTCCAGAACTGTGAGAAGTATATTGTTTGTGGGTTTNAAGTCAATG
GTCTATGGGAAATTTTTTATAG

Sequence 2409

CCGGGCAGGTACTATAATAATTGAAGAAATGAAAAAGGCAGTTTTCTCTGGTTTGCAGAA
TTATTTTAGTTTGTTAATTGAAAGGGTTTACTAAGTTCCAGGAAGGACTGATGGAAAAAG
ACACATTTAGGCAAATCGTCCTGAAGTTTCTGATTCAAAAAAAAAAGAGAAAATTTTAT
GAGTTCTCAAACAAAAAGTTACACACAAAGAAAAAAATGTAACTTTTCATGGGATTTCTT
CTCTTTAATGCTAGAAGAGAAAAAGCACAGTGTAACACATCTGCTAACTACTGAAAGAAA
AGCACTGCAACGCAAGCATCCGTCCCGCACATGGATGAGATAACATTCACCTATCAGGGT
AAGAAGATGTAAGAACTGAGAGGGTTGGAGCAAGATGGCCAAACAGAAGTCTCCACTCAA
CATAACCCCTACAGCAACACCAAATTTAACAAGTCTCTACACATAAAAAGCACCTTCATA
AGGACCAAAGAATCGGGTGAGCATGACAGTAGGCAGTTTAACTTCATATTGCTGAATGA
TTCAGTGAAGAGGGTAGGAAAGACAGTCTTAAATTGCAGATGTCCCCCTCCCCTGTN

Sequence 2410

TGGCGGCCGAGGTACTCAGAGTGAGGATTTTCTGCAACCTGCGTTTGTCCCTCCAGCATC
TGCTCTGGCTCCATGGCGGACCCTGCAAGTCACAGTCCCGGATACCAGTCCGCGCCCAA
GCCGTTCTGTTCTTAAGAGCCCTGCACCGCTCCACCAGCTCCAGCACAAACAGCTTCGGC
CGCTCTANAAGTGTGGCATCCCCGGGCTGCAGGGAATTCTGATATCAAGCTTATCGAT
ACCCGTGCGACCTCGAGGGGGGGGGCCCCGGTTNCCAGCTTTTGTCCCTTTTAGTGAAG
GGGTNTAATATGCTGCGCCTTNGGCCGGTAAATCATTGGGTNCATTAGCTTGTTTTCTG
TGTTGAAAATTTGTTAATNCCGGCATCAACCAAATTTCCACAACCA

Sequence 2411

CCGGGCAGGTACGCGGGATAGCANGGGCCAGTTCATCTGCCTGAAGANAAGAAGATGTA
TCAAGTTCAAGGATATCCAAGAAATGGATCTCACTGTGGTCCAGATTATAGACTCTACAA
GAGTGAACCAGAGTTAACAACAGTGGCAGAAAGTTGATGAATCTAATGGAGAAGAAAAATC
AGAACCTGTTTCAGAGATAGAACTTCAGTTGTTAAAGGTTCCCACTTTCTGTTGGAGT
AGTCCCTCCAAGGAGGCAAAAATCACCAACACCCGGAATCTTCGACAATAGCTTCTATG
TAACCTTGAGGAGAAANACTAAAGAAAGGATGATTGNGATCTTAAGGAACGGGAAAGACC
CAAGGAAAGGTGCANGTGGNAAACAGCTCTTGGTTTGGGNCCTGAAAAGGTACCTCGGGC
CGCTCTTAGAACTAGGTGGGATCCCCCNGGCCTGCCANGGAANTCCGANATCAAAGC
CTTTATCGGAATACCCGTTTCNGACCCTCGGAGGGGGGGGGCCCCGGGTCCCNAGNNTTTT
TNGNTCCCTTTTAGATGANGGGGTTAAATTTGNNGCCTTTGGCCGTAATCNATGGGNCA
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Sequence 2412

CCGGGCAGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTG
TTATGTCTACCTAGCTGTGATTATATCAGGCACAGGATTGTGCGCGTGTGCTCTAATCCC
ACTGTGTCTATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGT
TCCTTACACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTGTCACATAGG
GGAGCACCTTGACCCAGAGGCCACAGCAACAATAAAGAGAGCAACAACCTACTACTAAT
ATTCCTGCTATGCTACCTATGATTATAAGAGCCCAGTGTAGGCCAGAGCCCAGAGACACC
CACCATCTCTGCAGGCGGTATCAGTAAGGTATTCAATTGCCTTAATCTCCCATGACATG
ACACCCCCCGCAAAGCTGCCACTATGTTCTGGTGGTTGTCAGGGATGAATGTACCT

Sequence 2413

TCCACCGCGGTGGCGGCCGAGGTACCTGGGAGTGGCCTTCTGTGCCTGCCACTGTGCTTC
CCACATTGCTTAGTCACACACATAACTGGGAGGTGCTGTGTTCCAGTTTTTGTGAGTGC
ATTGAGCCCCCTAGTGGTTCTACCCCTTAGCAATAACTGCCCTGGAACAGGTGTCATCAC
TGTAAGAAATGCAGGTTACAGCCCTTGCAAGAACACAGAGATTGGGCCCATGAATTACACCT

Table 2

GAGCTGCCCTCCTTTTGTTAATTGATGAGATTGATCAGATCAGGAAGGTGGTTGATGCAA
AACCGGATGGCCTTAGACATAGTCACAGCTGNTCAAGGTGGCACCTGTGCCCTGTAGGG
ACAGAGTGTGTACCTGCCCC

Sequence 2414

TTATTAGGGGCGNGGATATTGGGNAGCCTTCCACCGGCGGGTGGGCCGGGGCCCCGGGNCCC
GGGGGCCAGGGTACCTTNTTATGGNAGAACCCAGGCCNNGGTCCATAATTGGCCTTGAA
GGGTAAAGGGAAGTTTTGAAGAACCAAGCCTGGGCTTAACCATTTGGGGTGGAAAAACC
CCTGGTCTNTACTTANAAAAATTACANAAAAATTAAGCCCGGGGGCCATTGGGTGGGGC
NTCAACGCCCTGGTTATGTTCCCAAACTTGCCTTTTGGGNGNAAGGGTTTGAAGGGCC
AAAGGAANAAATCCGGCTTTNGGAAACCCCAAGGAAAGGGTTGGGAAGGGNTTTGC
CAAGTTGGAAGGCNCCGGAAGNAATCCGGCCCCGCCAACNTGGCAACCTCNCCAAGCNAA
TTGGGGGGNCCGGAACCATGNAAGCCCAANGGNACCTTCCCAATTCTTCAAAAAAAT
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AAAAAAGGGGAAAAANANAANAAAAAAGGGNAAAAAAGGGCCCCNTTGGGAATTG
GNCCAANCAACCCAAAAAATTCNTTAAAGGNAATTTTTTNGGGGCCAANAGGGG
TTCCGGGAATTCCAAAAANTTTTAAAAAAGGGGGAATTTAATTTTTAATTNTTTGGC
CAATTCNAACCAAAAAAATTAATAANTTTTCTTTTTTAACCTTNCCCC

Sequence 2415

CGAGGTACCAAGGCAAAAAAGAAAAAATCAGGATCCTCTGTGAGAAACAGAAGTTA
GAGCAACTGAATTGCTTAACAGCTGGGAGTTGAGCCAAGTGCCAACATTCACAAGCTGG
TGAGTTTGGGTCTTAGTTTCTGCTTTAGTTATATGAGAAATTTGCCCTGAGTGATGAT
AATTGCTCCTTATAGTAAATCCGTGTCTGCATAAAGGCAAGGAGTCCTTGGATAGGGGT
GAGTAGGTCTGCAAACCTCTAATATCATTTTTATTTTTCTGAATATTGCTCTGGGCTTTTC
TGTCTCTGCCAGGTAACCTCAACATCTCCGCTGATGAGCCTATAACTGTGACACCTCCTG
ACTCACAATCATATATCTCCGTCAATTACTCTGTGAGAATCAATGAAACATATTTACCA
ATGTCACTGTGCTAAATGGTTCTGTCTTCTCAGTGTGATGGAGAAAGCCAGAAAATGA
ATGATACTATATTTGGTTTCAATGGAGGAGCGCTCATGGGGCCCTATATCACCTGTA
TTCAGGGCCTATGTGCCAACATAATGACAGAACCTACTGG

Sequence 2416

ACTATTGGCGAATGCAGCTTCCCCCGCGGTGGGNGGCCGCCCGGGCNGGTACGCGGGAGG
CAGGAAGTGTCTGCGCCGCCNNTGGCCGGCCACAGCCTAACGCTCTTCNCTGTCGTTTGT
GGGCTCGCGCAGGGCGGGCCCCGGTTCTGGGTGTTTTGGGCCGTCNGAATTAACAACC
ACCATGTCCAGCAANAAAGGCAAGAGACCAAGAACCAAGAAGCGCCCTCAGCCGTTG
CAACCATCCAATGTGTTTGCCATGTTTGACCAGTCACAAGATTCAGGGAGTTCAAAAGAG
GCCCTTCANACCATTGNATTGAATCAGGAAACCANCAGATGGGCTNTCATTTGGACCAN
ANGGAAAAGAATTCTGGCCANTGNATATTGCCTTTGGCTTNTCTTCTAGGGGGNAAAGA
AATCCCCCACCTGGAATGGCCATTACCCTTTGGGATGGCCCCATTGGAATGGAAATTG
GAAGGGCCCCCCCCAAGGGGCCCCCAATTCANATTTTCAACCCAATTGTTTTCCCTT
GGACCCCATTTGTTTTTGGGGTGAAGNAAAGGTTTA

Sequence 2417

TGCATAGACTAGTCAGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCACAAGCTTCA
GCCGTGCGTGGAAGTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCATCTCACTG
GCACCTTGGTTCCATCGTAGGATCAGCTGGGTTGCATGGTCTAGGTCTGTTGGCTGGTC
CACTTGTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCCT
GCAACATTTCTAGGCTTCCAGTGGGTCCTGGCGTCTTAGCTGTGGATCTCCAATACCTG
CAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGAC
TACACCAGAAGCTCCGGCTGCCACCAGAGACAAAGGCCCGCCCCCGGTACCTNGGC

Sequence 2418

Table 2

CTCCACCCGCGGTGGGCGGGCCGNAGGTTACCACTTCAAGCAAGNATNGTCTGGCCGGG
TCCTTGGAAGCTTGNGGGNGNNAAGANNGAGCGATCNCCNAAAAAANAANTATTTTT
NTNTNTTCTTCCCCAGTGTCTTGGGCCNGAAAGGGCCTACGGGCCACCCCTTGCCGGGT
TTCCCGCCCCCTTCCGTTANACCAGGTNGGGGTGGGAATTCAAGGGTCNNGGCCCCGCC
TTCTTAAGAAAACTTAAGGTGGGAATTCCCCCCCCGGGGGCTTGCCAAGCGGAAAAATT
TCCGGAATAATCNAAAGGCCTTAATTCCGNAATAACCCCCGGTTCCGGGACCCCTTCC
GGAAGNNGGGGGGGGGGGCCCCCCCCGNGGTTAACCCCCCAAGCCTTTTTTTNGGTTTTCC
CCCCTTTTTTTAAAGNTTGGAAGGGGGGNTTTTTAAAAATTTTGGGCCGGCCCCGGCCTT
TTNGGGGNCCGGGTAAAAATTCANNTTGGGGGTTCCCAATTAAAGGCCCNTGGGGTTT
TTCCCCCTTGGGGGTGGATGGGAAAAAATNTNGNTTTTAAATTCCCCCGGCCTTTCC
AACCAAAAATTTTCCCAACCAACCCAAAAACCAATTAACCCNGAAGGCCCCCCGGGGG
GTAAGGCCAATTTAAAAAAGGNTGGGTTAAAAAAGGCCCCCTNNGGGGGNGGTTGGCC
CCNTTAAATTTNGGAAAGNTTGGGAAGGCCTTAAAAACCTTCCAACCNATTTTNAAAAA
TTTNGGCCGGTTT

Sequence 2419

CGCCCGGGCAGGTACGCGGGGGGCGCTGAGAACGCGGGTCCACGCGTGTGATCGTCCGTG
CGTCTAGCCTTTGCCACGCAGCTTTAGTCATGGCCTCCGGTAACGCGCGCATCGGAAA
GCCAGCCCCTGACTTCAAGGCCACAGCGGTGGTTGATGGCGCCTTCAAAGAGGTGAAGCT
GTCGGACTACAAAGGGGAAGTACCTCGGCCGCTCTA

Sequence 2420

NCAGGCTTGCCCCAGAGCCATGGCAAAGATGGACTTTGTAATTTGCATCCTGGTGATCA
CCTTACTCCTGGACCAGTACCACCAGCCACACATCCAGGATTAAGGCCAGGAAGCACAG
TCAAACNGTCGAGTGAGGAGCACAAAGGATGNGGAGATNCTNGAAGACTCAAATTGAAAA
AGCTCTGGGACAAGAAAGTCNAATGCCCTTTGAAGNGTAAATTTCAAAGCCCCCTTGGCCA
GACCAGGGTCTTGNTCCTNCGGAGGCCACCTAAAAGGTTTCAANGAAANANTGCCTAC
CNTTGNCTTTTCAAGNAAGGGGTNGAAAGNCATTTTCCCATTGNAGNGCCCAANNNGA
AAGGACCTTGGCANTTTTCCCCAAAAAGGNGAGGAAATTCCTGGGTTTAATTCCCCC
CAAGGGAAACCTCNCCGTANCGGAAAAATTNCAACCGGCCCCCTNCCAAAGGAACCTAAT
GNGGTAAAAAAGGGGAAGNCCCNTGGCCNAAGGGTGGTTCNAAATTGNACCTNTTTTTG
GGG

Sequence 2421

GCNGTGGCCGCCTATGTACNCGGNTATTGCCCTGTAACTGTCAAAGAAGAGCTAGAGG
GNGCTTTCCGGGAAANGNNNANTGTTTTNNTTGCTTTCTCCTTACTTGGAAGGCTTCGC
TAGTNGATGGACCCATACATGATTCAGATGAGCAGCAAAGGCAACCTCCCCCAATTCTG
GACGTGCATGTCAACGTTGGTGGGAGAAGCTNTTGTGCCGGGAAAAATGANAAGGCCATT
AATAGGCCAAGGTNGGGTCTTGTGAGGCCCTCAANACCATGGCCAAGGAAAAAATTTTC
AACCCNCATTCCCGGAGCCNTTTGTGTGGACNAACCATGNAAGGGTGNCAAACCCAT
AATTCCTATAAACAANNACCCAATTGATTTTCCCCCTGNTCCCCATTTTGGGGGGNCC
CCCTTACCTTGGTGGTTTTTGGGGAAAAACCCTTTGNCCTTACAANGACCCNCTTNGAA
GNTTTNACCCCCCAAGGNCANNTTGAAAA

Sequence 2422

GTGGCGGCCGAGGTACGGACCCACATGANGGTGAGGCTCTCTGCACACTCCAGAAAAGG
ACCAACCACGCCGAGCTCAGTTATGGCACACACAGTGGGACCTANACAAAGGGAGAGGGT
GACCGACATCCCACTAGATTTAGTGGAGTGAAGTTCAGGAGGCATGGAGCTGACAACC
ATGAGGCCTCGGCAGCCACCGCCACCACCGNCGCCGCCACCACCGTTAGCAGCAGCAGC
AGCAGCAGCAGCAGCAAGAGTAACTCTGACTTTAGNGAAATTAGGAGACAGCCAGNAGTA
GNAAATGTNGATCAATGGAAGGGAAGACAATTCTTGGGAGTTGTTGCCGTTGCTTTCTT
TTCANGAAGGGGGACCGNNGGTGNAATGGGGGCCAANATTTNGGNAAAAAAGGNCACC
CCGTNATNAATGGGGGAAACCTTTAAATCCTTTTTTNCCTTTTTTCTAAAAAATTTGG

Table 2

ATTGCCTAATTTGAAAAAATTTTTNGCCGGTTTTTCNNTGGTTAACTTTTGGTTAAA
AAAAACCTTAAAAAAGGTTTGGCNTTTGGGTACTTTANCATTGGNNAATGAACATGNTC
GTANTNTTGATGNATTATAAANNAATNAANGGNGTANCCCCCTTGCCCCNNGGGGGCCGGG
GCTCGGGTTTTCTTAAGAAACTNNGGTTGGGGGATT

Sequence 2423

AGGTACTGACTTTTGGAGTTACTTAAGAACCACAGTTCCTAAAACATTTTATTTGGGAGC
TCAACTTCTGGCTTCTACTTACCAAGAGGCAGTAAGTTATAACCTCTGGCCTTTGTCTT
TACATTTTCAACTTTCTGGATCCCTAACCTCTGGTCCCAAGTTACTACGCTTGCCTATAT
CCACTAACCACTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCAGTGAATGAGAA
GTGTCTAGATGTTTTTTTTTTTTTTTTTTTTTTNGCAAATCTTTCATAGGCACAGTTGC
CTGTTTAATTTTTCTTCAGCCCTTCCCCCTTANGAGGAGGGAGCCCTTAAGGTTANCTTT
TCAAGGGTTGGGGGGGTAGGGAAATTTTATCATAAACTAGTNCTAAGNAGATTTTCTC
ACCCAAGGGGAAAATTTTTCTTATNTTAAAAAGAGGGAACTTTNGNGGGTTTTTAAA
CCCCTGCCAAGTNCACACCCNAANTTAAATTGTTCTTTNACAAAAANNAACANGNC
AATTTNNTTNCCTTTTC

Sequence 2424

AGGTACCCGTGCCCAGGAGGNCGCCGAGCTCCANCCCCNAGCCCTGGACATCTACTCTGC
CGTGGATGATGCCTCCCACGAGAAGGAGCTGATCGAAGCGCTGCANGAAGACTTGANGAA
GCTCAAGAGTAAACGTGTTCCCATCTCATNATAAAGAAGTATGGCCAAGTCCCCATGTGT
GACGCCGGAGAGCAGTGCNCANTGAGGAAAGGGGCAAGGCATTCCGGNAANCTGTGTGAC
TTGTCCCTGAGGAAACCTCCTNGNAAATTNCCTTCCCTGAAAGTGCTTTATGGAAGG
GGGGCCNTGCATTTCTANCCTNCCATTACNATCCCCCATTCCTTACNNTTTCGCCC
NCAGNAGGGAACNCAACCACCCNTTNCCTNCCCATTGNGGAGNNTTCTGGNGCCTTTTA
AAGGGCCAAACCAAGGAATTAACAAGGTTGNGTGTAAATTTTTNTNCCCTNCCCTTGGA
AAGGGGGAAAAAGGGGGGCTTCTTTTNTTCCCNTTGGCNTNGGANTTTCCNNNAAAAA
ATTGNTAAAAANGNAAGCCCACCNATTTAATNAATGGTTTANCNTGGTGCCCCCNNAAT
TATTTAAAAATNTTNTNATTANANGGTTATNAGNGNTTNCCTTNCCTCCCGGNGGCGG
GGNCCGGTTTTTTAANANAATCTAAGGTTGGGATCCCTATTTNGNGTTTTTGGGATGN
GGANATTTTTTTTATTNNAANAGGNNTNANCCGGNTNAAACGTTCCCNCCCTTCCATA
NGGGGTGGNGGNCCCCCCCCCCCCNTTNTTTT

Sequence 2425

GGAGCTCCACCGCGGTGGCAGGCCGAGGTACACGGAGTCCAATTGTGGTGAAGATGGTCT
GGATCATATTGCTCCTCAGGGGCCCCATTGAGTGCCTGGATCTTGGCTGTGTAGTGGGTGG
ATGGGCTCAGGTCTGCCANGCTGTACGAGGTGGTATCTGGACCCACAATGACNTCCTTGA
CTGTGCCATNCACTGATACATAAACCATCATNGTAACCGGTGACTGATGCCCCGGGGGGT
CAGCCANGTAAGGAGGGCANNTTCCNACTGACCTCATTANCANTCATAGNCTNTTGGAN
ANTCTGATGNCTGANNTAGNACTNCTTCAANNATGNGNTTGAGCNCTTTNTNGGGCCCT
TNTNTTCTTGCAANNAGAATCTCAATTGTTANATTTNCCNNGGGNATGCCTTTANGNATNT
NNNANAANAAANNCAACNCACTCNTCTAGCCCCNGGACACCNNAACNNTNAAAATTTA
NTTNGNNACTTTTNAANCCCAATNTGNTNNNTANANATACTNANNCTTGTCTTCTCAN
ANTTNCAAANNGGNATTTNCNGTANNACCCNATTCCNCNAATCTTNGANTTTNCCAATT
CGNANNTTTTNACTATCNGNCAATATNNNATTTTGTGNNTTTNTCANACANATCCNNCN
TTNGAAATNTATTTTTTTCCCCCCCCCCCCCCCCCCCC

Sequence 2426

AGGTACAATAGGGAGCACCCAGGTTCCCTACGATGCCCCCAAATCAGACCCAGGGGCTG
CCTTCCAAACAGTGACAGGCACCTAAAGAAGGGACAGGGCAGATGCTGCTTCAAGCCAGT
CAAAGCCAAGACAGGCAGGCTGTGTGGCACGGTTGTGCTCCCTGAATCTCTTCTGCCT
CGGGCAACTCTTGTGGATCACTTCTGCCTCTGCCTTTCCATTCCCTTCTTTCCTGGT
TTTCTTCTCCTACCAAATTTTTGACCTGCAATTGCCAGGAGTTACCTGGGTCTCCT

Table 2

GGACCTTTTCTCAATGCAATCTCCTCCTCCAGCACCCCCAAGAAGCGTCGCTCCTGTGT
TCAAGACCAACCAGGGATGTGTCCAAGACCAACAGGATGGTTGTTACCTATGAGGCTCA
TG TAGGCAAGGAGCGATTGTGGCCACAGAGCTGCCCTCAGCACTGCCCTTGCACTCAACG
AGGAAAGGGTTAGCTAAGCAAATGAATAGCAAAAGTGAGAGAACAGTGCTGCAGCTACTT
AAAAGTACCCAGATTTTATATGCCCTTAGCCCTGAGGATGACTCCCCCTCATGGGT

Sequence 2427

CCGGGCAGGNACNCGGGCCAGTCCTAGCTGNTGGCATCACTATACTACTAACAGACCGNA
ACCTTAACACCACCTTNTTCNACCCCGCCGGAGGAGAGACCCCATTTCTATTACCAACCA
CCTATTCTTGATTNNTCGGGTCACCCTGGAAGTTTTATATNCTTATCCTACCCAGGCTT
TCGGGAATAAATCTTCCCATTTTGTAACTTACTACTTCCGGGAAAAAAGAAACCCA
TTTTGGGATNCATAGGGTNATTGGTCCTGAGCCTTATGATATCAAATTGGCTTCCCTAGG
GGTTAATCGGGNGGGGAAGCCACCACCCATTATTATTTACAGGGAAGGGAAATAGGACG
TANNACCACACGNAGCCATTATTTTACNCTTNCGCCCCACCATAAATTCATTCCGCTTA
TCCCCACCGGGNGGNCAAAAGTATTTTAAAGCCTTGAACCTCGGCCCAACAACTTTTCA
ACGGGAAAGCCAAANTTATTGAAAAATGAATCCTTGGCTTGCCAAGGTGGCCTTCTTGA
GGCCCCCTNAGGGGAATTTCAATCTTTTCTTTTCAACCCGGTAAGGGTGGGGCCCT
TGGACCTTGGGGCAATTTTGGTATTTTAAAGCCAAAACTTCAATTNGGGCTTAGGAACAA
TNGGTAACCTTTCGGGGCCCGGCTTCTTAAGAAAACCTAAGGTNNGGGAATTNCCCCCCC
GGGGCCCTGGCAAAGGGAAATTTTGAATATTCAAAGGCCTTAATCCGNATTACCCGGT
NNGGACCTTTTCGNAAGGGGGGGGGGGC

Sequence 2428

AGGTGCAGCACCCAGCCCCCTAAACCAATGCTGCAGCCCTGTGTCTTTTGGCTTCAGGGCA
GATGCTGTGCTGAATGTAAAAGAAACGAACTCAACAGTGGTATTGTGCCAAACCTTTGA
AATACCATAAGCAAAATAGCTGATCTGGCTACTCTAAAGTTGTGTATCTTCTGTATC
CTGTCTTGCTGCTGCGTGTCTCACTGCACCTGACGACTTTTCTGTGCCCTTTTCATGT
ATTTAACAGGACAAGCATGAGAGCTCAGCCACCAGACTGCCAGTTCCAGCCCAGGCTCT
GTGCTCACTTGCTGTGTGGCCTTGGGTCACTTACTTGACCTTCCGTGCACATCTCCAC
ATCTATAAAATGGGGAGAACCAAGGCCAGGGCATAGGCTCAAAGCCTATAATCCCAGCAC
TTTGGGAGGCCAAGGCGGGTGAATCAATTGAGGCCGGGAGTTCGAGACCAAGCCTGGCCA
ACATGGCGAAACCCTGTGTCTACTGAAAAATACAAAAATTAGCTGGGGCCGTGGTGGTCA
ATCTGTAATNCCAGCTACTTGAGAGGCTGAGGCCNAGAATCACTTGAACCTGGGGAGGCA
NAAGTTANNAGTGGGCCNNNATNATGCCNNTTGGACTTCAGCCTGGGACANANAATAAAG
ACTTNTGTTTNAAAAAANACCCCAAAAA

Sequence 2429

CCGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGGCGGGCAGTGGGGGCAACCGCGAAGA
CAGATTTTCAAACTTTTCACTCCAGCAGTTTCAAGGAAATGTCAAATGACAAGATGGA
AGACCGAGTGTCAAGAGCTAAGACAACAAAAAGGCCCCCAAAATTTGTTTCAAGAAAC
CAATGAAAAAGCAAGCAATCAGAACGTGAAGTCCAGGATCATGGATGTGCTTATCTTCA
CAGTCACTGCTGGGTCTGAAGTTCTCTCTGGCCAGTGCCAGCTGCCAAGCCCTCTGC
CAAAGGGCCAGAGGAGGCCGGTGATATAGAGCTCTGATTACCCACCCGTCAGGGCACCGC
TGAAGGTCACTGAATACTTACTGTGCACCCGAAAAATAATCCTGCGAGTTCACGCCCGC
GTAGTTCGCCCCCTGATTTTGAAGCACTCCTTTTCGATGGGATCTACAAAACCGAAGTGC
CTTAAAGACCTCTTTCACACNGACGTGAAGTCACAGAAGTACAAAAATCCCATC

Sequence 2430

ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCGTCTGGGTTTTC
ATCCTGGCTCCACCACTTCTAGCAAGTAGGCTGCTGCCTCATCTGAAATTCATATAACA
ATATTCATTCCCTAAGTTTGTGTGAGGATGAATTAAGAGCTAAAGTCCATGCGTTGG
GAGAACCCTAGTGTGTTTGTAGATAATCCTTCCAAACATTGATTCCATGGGAGGGGATA
AATGATAAAAGGTAACAATAGCTAAGAGTGGGAGGGGGACCTTGTGGATATTGAAAGAAT

Table 2

CAGAGAATAGGAATGATGTTGGGAGGATGATGTTATCTCTGTCTAGCTTTNTAAGTGCTC
TTTGTCTCAAGGCTATGTATTGTAATGATGAGCTATTTGTGCGGAATGCCAGTTCTGA
AGAGATCCAAAGAGCCTTCGCTATGCCTGCACCCACGCCCTTCCTCCAGCCCAGTGCCAC
CCTCTCTCCAGAGCAGCANGAAATGTTGCAAGCATTCTCTACCCAGTCTGGC

Sequence 2431

CCGGGCAGGTACCGCGCCCAGCTAATTTTTTATGTTTGTAGTAGAGACGAGTTTCACCA
TGTGGTCAGGATGGTCTCAAACCTCCTGACCTCAGGTGATCTGCCTGCTTCGGCCTCCCA
AAGTGCTGAGATTAGAGGCATGAGCCACCATACCTCTTTTGCTTCATCCATCCCTTAATT
TCTTTGCTGGAGCATTTTAAAGCAAATATCAGACATACCCTTTCACGCCTCACACTTCAA
CATGCGGCTTGTTGAAATTCGTGCTCCACTCCAGCAACTGCTTTCATCGGAGTTCCATC
CTCCGCCGAGTATGCCCTAACGCAGCGTTATCTTCAGAGCTACCACCAGCTTCCGAAAC
CTTTCGGAGGAGCGCTTCGCCACCACCTGCACGGCGAAGCGGCGCGTAAACGAACCTCCC
CCGCGTACCT

Sequence 2432

CCGGGCAGGTACCTATGCCAGGCACCATGGGAGGCACTGGGGAGATAATGTGAACAACA
GACAAAAAGCTCTGCCCTCATGGAACCTACATTCTGGTTGAGGAGATAGATTGCAGATAC
TTGAAAGGCCTAGTTGTTAATAATTTATACCTGCTAAGGAGGGAAAAATTAAGCAAGAAA
GGGTGATATGAACTGTAGGGGGTGGGGATGCTGGGATGTTAGGGGAACAGGGAGCCCTT
GCGTAACTCTGGAAGGAAACAAAGTCAGCCATGCAGGAATGAAAGAACATCACGTTGGGC
AGAGAAAACAGCAAGTGCAAAGACCTGCAAGCAAAGAGTAGCCTGACTGGAACAGAGC
ATGAGGAGGCAAAGGGTGGAAACGGGGTCAGAGCGGCAGCCAGACAGCCAGCTCATACAG
GGCTTTGCAGATCAGTTAGGACTTCTGACCTTGGCTCTGA

Sequence 2433

GAAATTTGGNGGAAGACCTTCCCAACNCCGGCGGNGGTGGGGCCCGNCTCCAAATTGCT
ATTTTANACCAAAATCTATCGGAAGATNTACCTGCTTTGGGGCNCCTTGGGGGANAG
AAAAAAGGAAAAAAGGTTTTATTCCCCACCTTTNACCAAAGGGTTATTACCGTTAT
TTTGACCAACCATTGGGGAATTGGTTTTACCAAGNTNCCCAANACCAAACCAAGGCCA
CCAAANAAATTCCANACCCCAATNGNTTACCAATTGGTTAACCAATTAAGTTGGNAAAA
NTTGGACGGTCCCCACCGTTTTTTCTTACCAACCGGCCTTACCAGGGGAATTACGG
GGAAAAGGAAGGCCTTGGGGCCTTCTTTTAAAGGGGGCCCCCAAGGGGGGCCTTCCAC
CAATTGGAATNTAATTGGCCACCTTTTGGGTTCCAAAAGGCCAAGGCCTTCTTCCAA
GGTNGGGGTGGTNGGGGCCAATTCTTGGGGGNAATTTTTCTTTTNTTTCGGGGG
GGCNTTNCNTTGGGGAAGGGGCCCGGGGGGTGGGGGTNGGGGGGGGNCCCTNT
TTTTTTTTCTTTTGGGTNAAAAATTTTTCCAAAANCCNAAGGGCCCAATTGGGT
GGGGGGA AAAAACC CAAGGCCNTTCCCCCTTGGGCCCAACCCAAATTTTNCCAAACC
CAATTTNCCGGGGGGTTNCCNTTTTTGGGGGGCCCTTGGGGAAAAAAAATTTCTTT
TCCCCCAANTTGGGAAAAAAGGGGGGGCCCGNCCCCAAAAATTTNNTTCCCCCAAACC
TTTTCCCCCAAATTTCCCGGGCCCNAAACCNAAGGGGGGGTTTGGGGGGGCCCAACCC
CCCAATTTNCCAAATTTTTCCCAAAGGGGGGGGGGCCCCCAACCCCNNTTCCCCC
CGGGGGGTTTGGGG

Sequence 2434

ACTCACTATAGGGCCGAATTGGAGCTCCACCCGCGGTGGCNGGCCGAGGTACAAGTCAAA
AAAAAATAAAATAAATAGTGCCAGACCATCCTTTACTTTTTCATGTCCTTGAAATGAG
AAGAGTAATGTACAAAACCAGTAAGGCATCACTTTGGGAAGGTGAGCACCGAAGAGGTCA
GGCAAGGCTCGTCCAGACGGGGCTTCTGGGAGGGAGTGACCCTCACCTTATTGAGCTGC
GTCATGTTTGGTTCTTGAGGGAAAGTTGCAAGTCTTTTGCAGGGGTGGACCCGCATCAC
CCCACCCGGNAAGCTTGGGGCNGGGGGACCGCCTGGGAGGTGTTTGGTGTGTGGTTTCT
AAAACCCCTTCAAAGGGACNGAAGNAANGGGGAAGGGCAAGGTTCATTGGGCTTCAACC
CCCACAATNGCCCCCGCGNTACCTNGGCCCGGGGGCGGGGGGCCNNGNTTTTTT

Table 2

AAGAAANNTTANNGNGGGGNATTCCCCCNGGGGNCTTTGGCNGNGGGNAAATTTTCTT
TATTTTNAAAANCCCCCTTTTANTTTNTATATACCCCGGCNNNANNCNTCNCAAANGGGG
GGGGG

Sequence 2435

AGGTACAAGTCAAAAAAAAAATAAAATAAAATAGTGCCAGACCATCCTTTACTTTTTTCAT
GTCCTTGAAATGAGAAGAGTAATGTACAAAACAGTAAGGCATCACTTTGGGAAGGTCAG
CACCGAAGAGGTCAGGCAAGGCTCGTCCAGACGGGGCTTCTGGGAGGGAGTGACCCTCAC
CCTTATTGAGCTGCGTCATGTTGGTCTGAGGAAAGTGCAAGTCTTTTGCAGGGTGACCG
CATCACCCACCGGAAGCTGGGGCGGGGACGCTGGAGGTGTTGGTGTGTGTTCTAAACCC
TCAAGGACTAGAAGGGAAGGCAAGGTCCATGGCTTNCACATGCCCCNGTNCCTTNCCTG
GGCGGGCGANTCTNANAANTTGGGGGAATCCCCCTGGGGCNGNAGGGGAATCCCCCTN
TCGGGGCNTNTNGGGGTTNCNCGTNAANCNNGNNGGGGGGGCCCCCNGCCCCNNNNNT
TTTTNTTCCCTTTTAAANNNGGGGGGTTTNNNTNNNCCCCCCCCGGGGGGGNTTTTTNTT
TCNTNTNNNAAAGGGGGGGGNTTTTTTNGGNNTTTTTNCCNCNAAAAANGNGGGGGGNA
NCCCCCNCNAAAAAANTTTTTNTTAAAAAAGNCCNCCAAAANGGGGGGGGCC
CCCCNAAAAANGNGCTCNTTTTTTTTTTTTTTTTTT

Sequence 2436

NCGGAATTGGTAGCCTCCACNCGCGGTTGGCCGGCCCGCCCGGGCAGGTACCGCGGGGAAG
TAAGAGGGAAGTTTGTGCTGATGGCATCTTCAAAGNCTGAAGTGAATGAGTTTCTTACT
CGGGGAGCTGGCTGAAGATGGCTACTCTGGAGTTGAGGTGCCGAGTTACNACCAACCAGG
ACAGGAAATCATTTATCTTAGCCACCCAGNAACACCAGGAATGGTTTCTTGGGTGNAGA
AAGGGGCCCGGGCCGGGATTTCGGGGNAACCTGACCTGCTGGTAGTTTTAGGAAAGGA
GGGNTTNGGCTTTTTTCCAAGGAGGGNCACGGTTGGTTAAGAAAGCCTTTTTATTGGCC
TGAAAAAAGGGGTNGGGCCCCNACCTTAANAAAGNGNTTCTTGGTTGGTTGGCCCCAA
TTTTGGCCCCCAAGGGCCCCAGGGAAGGTTCTTTCNTTGGNCGGTTTTACCNAAAACC
TTTCCCTTNAAGGGGAGGGGGGCCCTTTTGGNCTTTGGNTNGCCCCGGGNAAGGGGGGGC
CCCTTTGGCCTTTAATTGGNGGTTGGNTNGGCCCTTGCCCGGGGTTTTCCAATTC

Sequence 2437

AGGTACAAGGAGTTTGTAGGAGGGAAGGTGGCAGTTAATGAGCCTTCCTGGTGGGACCGG
ATGGTGAGGGCAGGGGCATCTGGCCAGCGTGGACTCGGGCCATAGATGGGAAGTGGTCA
TTTGGAGGTCACCATCTCTGACACCCTGACCATAGCACCTGCACCCCTGTGCTGAGCT
GCAGGTCCCCGGCACCAGCGTTCTGTGCAGCTCAGGTGTTGCTGAGCACGTGGCCTCCGC
AAGCTCTCCATCAGGATTTCTCAAGCTTNATTCTGAATTATCTCTGNGTGGAGCTCACAA
CGGTGACCTGCAAGAGGTCCCCAGGTTTCATCTTNTCAGATCTTTCTGAAATCAAAACAAT
TATGGTTCTGCAGTTTGGCCGCGCCATGTCTTTGGCCCGATTTTCTTGACAAATCAA
AAGTGAAAGAAGTTTTCTNGAAGCCTACCGGGGAAAGGTTTGGGGGTTTGAAGGGGCAT
TGNATGGGGGGAAAAAACCANTGGAATTTAAGTTTTGGACCAAGCCTTTTTNCCCCAA
AGAAGAAAGTTTTTTTAAGAACCAAAAAACATTCANAACCTTTNGGTTTAAACCCTTN
TTCNAGNTGGGGGCTTTATTNGAATAAAAGNAAACCCCTTCAAATTNGTTGCCCAAAA
AAAAATAAAAAAAAAAAGGCCCGGCCACCTTCCCANGGGTTNANGTTTAAATTCNTTT
GGTNTTNAAAAAAAAAACCCCTTTTCC

Sequence 2438

AGGTACCAGTGCCGCTGGGCACACTGGCTTACGCGCGCTCCACCTCACCAGCAAGCGCA
TCCCAGAGGAGAAAATGAGACACTGGGTGGGACTCAGGGATTGCTCCAGGCCACACAGT
CAGCAGGAGGCAAAGCCCAGATTCAAATGCAGATTACTCAGCTCCACAATCCACATCCTC
ACAGGAGGCTGCACTCCTTGCCCAAGCGTCAGACAGGAGCAAAGAGAAAGAGCAACCA
GCTGGCTACTTTCTTCCCTTCTTGATGCCTCCAACAGGGTGAGGAAGGACTAAACAAAT
GACCAAGTGTCTATCCATTTTGGACATACTTAAACACCCCATGGAATTTTTATTCTGGA
CTTCTTCTGCCTGTGTGGCATTATGTTTAAATAAAAGGAGAATTCAACTTCGTGGAAA

Table 2

AANANNATNNAAAAANAAAAACNNGGTTCCTGCCCGGGCGGCCGTTCTAGAACTAGTG

Sequence 2439

GTCAAGAGACATCCATCTGCAAGATGATAGAAAGGTAAGTGGAAACCCAACCACCTCATT
CTCTACCCTCATGTCTACCACGGACAGCTGAACCTCTCCCTGTGGAACCTGGAAAAGTAG
CTCAGAGAGGAGTAGCAGGTGGCAAGGAACATCAGGGAAACAAAGCTAGAAGGAGCATGT
AGGCACCTTTGACCTGAAATAGACAAGATGCAAGATCTCAGGATTGTCAGGGACCTTAGG
AACCATCTAGGCCACATCCCGGCTTTGGCCTGCAGTGCAGGCAAAGGGTTTGCCTCTGCC
AGCCATCGCATCCAGCTTTGCTGTAGGTGGAATCGGGCCTGTATGTGAGTTACCAGGGTT
GCAGAGGACACTGTGGTCTGGGTGGCAGTCTGGTGCCACATGGCANAATTCATCACAGTA
GCAACTTCCCCTCTTGCAAGCGGTGGACCGTCCCAAGACAGCAAAGGTTCTTGGGGGTTG
GGGAGCAGCTGCCTGGAGAAAAAAGGAACATTTAAAAAAAAAAAAAAAAAAGA

Sequence 2440

CGGGGTGGCCGGCCGCCGGGACGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAG
GTCAGGAGTTTGAGGCCAGCCTGGCTAACATGGTGAACCTGTCTCTACTAAAAATACA
AAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCA
AGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCCCGAGATCGCGCCACTTGC
ACTCCAGCATGGGCCGACAGNAGCAAGGACTCCATCTCAAAATAAAGGAAAGGAAAGGAA
ACAANGTAAAAGNAAAAGCCTTTATTATTGGAACCTCTCTAAAAAAGGAAAAAAAAGGA
AAGCCCTGGATGCCACACAAAATCTAAAATTTTGCAAGGTGGAATCAATTAAGGGAT
NTTANTTTGCATTACAAAAATAAATCTTTTACTCCCCCCCCAAAAAATCAAATAA
AAAAAGGTTTCAAAAATTAGGCCAAACTTTTTTCCCTA

Sequence 2441

AGGTAAGTGGGATAAAATGAAGAAGAAGGCATAAGGACAATAAACATGGAAGTCCACTGCAATGGAATTTATGCAAGCTGAGGAAAGTTTGGGCTTATTAGTATTTGCTCCAGCGAACCTCCAAAGTTTTCTCCATTGCGGACAACGTAAGTACCAGCTCCTTGGCTCAGTGGTTACGCCTCCACTCAGAAGNTTTTCCCAAGTAAGGTTCTTGTTTCATTATTTGTGGGCACCAATAAGGCCCCTNNAATTACAAGGGTGGATATTAAGGGGCCCCNCATGGAGCCGCTCNCTCACATTTGTGGAACCAAAATAATAGGTATCTCATCCATTTCTGGGGGCTTTTCTTCCATCACCACTTGAGGCAAGGACAGGAACCCATTTTAGCCACAAGTTGGACAATTTGGGTTGNAAAAATATGGTTTTTCATTGGATTCTCACCAAGGAAGGTAAATTT

Sequence 2442

AGGTACCCAGCCAGGCGCACGATGTCGTGAAGCAGGGTATCCTTGTGCCAGCATTTCG
TTCTCTGTGAAAACACAGCGCCGTCAACATTTTGA CTTTCCAGGGCCCTTCGGAATTGG
AGGTGCCTGTAGCTAAGCTGTTTCCCCTGGAGAGTCCAGCTGTTTCCCCTGGAGAGTCCA
GCTGTTTCCCCTGGAGAGTCCAGCTGTTCTCCTGATCCGGCCCTGCACACACACACCCAG
CCACAAATTACTAGGATGTCAAACCCAGGTGATCAGGATACTCTACGGACTGCCCTGCT
CCCCCAGGGCTCTCCCTACAGTGTAATCCTAAAGCCAAACTTCCTTTCAGCAGTGGCTGA
AGCAAACCTCTGCAGTCAGAGGTCATACCCAGCAGGCTTCACCATGCAGACTTGAATGTTG
ATTTGAGGGCCTAGCTGCTCAGCACAGGGCATTGGGAAAGACAATGTGTACCTGCCCG

Sequence 2443

CCNGCGGTTGGCGTGCCGAGGTACCCGTGCCAGGAGGACGCCGAGCTCCAGCCCCGAGC
CCTGGACATNTACTCTGCCGTGGATGATGCCTCCCACGAGAAGGAGCTGATCGAAGCGCT
GCAAGAAGTCTTGAAGAAGCTCAAGAGTAAACGTGTTCCCATCTATGAGAAGGAAGTATT
GGCCAAGTCCCCATGTGTTGACCGCCCGGTGGAGCCAGTGTTGCCACGTGGAGGGAAAGG
GGGNCAAAGGGATTGGGGGAAGGCTNGTNGTNGACCTGTCCCCCGGAGGGAAACCCTT
CTCTGCCAAATTTCTTTCTTTCCCTGGAAGGTGGCTTTTATGAAAGGGGGGCGNTCC
CCATNTCTTTCTCCCATTANCAATCCCCCNCAATCCCCCTTCTTACTTTTTTCCCCCCC
AGGAAGGGAATTACCAACCCTTTTCTTNCCCCTNGGGAAGTTTTTGGGG

Sequence 2444

Table 2

CCGGGCAGGTACGCGGGAAGTGAGTTAAGTCCAGCAATAACTATATCTCTGCATATTTCTG
GGCCAGGAACAGCTGAGGTGAACCAGGATAACTGAATTCCTCCCTGTGGCTGGCTTTAT
TTGGTTACTGTGAAAGGGACCTATTTCCAGCCCAGTGAGGGCACTGGGGCTGAAGAGTGT
TCTCTAGAACCCCAGCCAGTCTCAAGTTTCATCTCTCACCTGTCCTGTAGGTGAGGAGC
CTGAGTGCAACGACATCACTGCCAGGCTGCAGTATGTCAAGGTGGGAAGCTGTAAGTCTG
AAGTAGAGGTGGATATCCACTACTGCCAGGTAAGGGCTCTGCTTCAATAAGGGCTGGGTG
TGGAGGGCTGAGCCTCCGTGTTCCGATACCTATCCTTAGTTGCATTCTAGAAGGATCTGG
AAAATTCAGGGGAAGAGAAGGGAAAAATAAACTGGGAAGCATTTTTTTTTTTAAGCAAA
TGGTTGTATTGGAANTAACCTGGAAAAATTTTTGACTTCNNGGAAAAAAAACAAAAA

Sequence 2445

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTAATACAGTCATTACCTTT
AAAATTATAGCAGCATGCCCAACAAGACACAGTGGAGGCAAAGGGTCGTTGGACAGAAT
CAGCTGAATGCCAATGTTAGTTTTGTTTCCTTAACGTGTAGTATCGGTTCCAAATGGAAT
TGAATCATCAAGTATGCTTACCTGGTTTATTATGCCAAGTAACAAGATTGGCCAATCCTT
CTTATTTATTGTTAGAACTATAGAAGAAAGCAGCCAACAAATGATGATGGTTTTTTCAG
TGACTCATGCCTCCTTTGATTAGAATCCAATGTAGCCTACTCCTTATCCTGGCATCATTA
CTAGATATTGCCTTTTATTTTACTAATGGAGCACATGAATGGATAGATTTTAAAGAAAT
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GGCGGATCACCTGAGGTGCGGAGTTTGAGACCAGCCTGATCAATATGGAGAAACGCCGTC
TCTACTAAAAATGCAAAATTAGCCCCGTGTGGTGGCACATGTCTGTAATCTCAGCTACTT
GGGAAGCTGAGCAGGAAAAATTGCTTGNACCCAGGANGTGGAGGTTGCAATNAGCTTAN
AATGCACCATTCACCTNACCTGGGCAACCAAGACGAACTCCATTTCAAAAAAAAAAAAA
AAAAAAAAAAAA

Sequence 2446

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGGCAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTTGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCACTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTATGTCTAAGCTTGTTCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAAGGAAAGAACTGATGGGGGTAAT

Sequence 2447

CCTCCCCAACNCCGNCNGNNTGGGGGCCCGGGGCNCCGNAAGGGGTTTACCCGNCCCCG
GGGGGGGGAAGGAAAGNTTAAGGTTTGGGGGTTTTCTTTNCGGGCCNAGGGNGAACCC
CCCCAAGGCCAACCNGNCCAAGNCTTTGGGGGAAGGGTAATTCCTTTGGGAAGNAAAA
CCNNGGGGAACNAAGGGAACCTTGGCCCCCTTCCCTTTCAAAAAGGGTTGGGGGGGTTTCC
CCCCAAGAAACCCCCCNNTNNGAAAGTTNAGGCCCTTAAAAACTTGGGGGGAAGGGG
GCAANCCCCCCCCNAAAAGTTNAANGGGGGGCCNAAGAACTTTTGAAANAAACCTTT
TTAAAAAAAACNNNCCCCCGGGGGGTTTACCCCTTTTNGNCCCCCNNGGGGGGCCCGG
GGGCCCCCGTTTTTTCNTTAAAAAAAACATTAAGGGTNGGAGGAAATCCCCCCCCC
CCGGGGGGGTCCCTTGGGCCAAGGNGNAAAAATTTTCCCGGNAATTAATTTTCCAAA
AAGGGCCCTTTTTTAATTTCCGGGAATTAACCCCCCGGTTCCCGGAACCCCCCTTCN
GGAAAGGG
TTTTTTTTTGGTTTTTNNCCCCCNTTTTTTTAAAGGTTTGGGGAAAGGGGGGGGGTTTTT
TTAAAAATTTTGGCCCGGGCCCCGNCCCTTTTGGGGGGGGCCCGGTTTAAAAATTTCCA
AANTTGGGGGGGTTCCCAANTTAAAGNCCCTTTGGGTTTTTTTTTCCCNNTTGGTTGGG
TTGGGAAAAAAAATTTTGGGTTTAATTTNCCCCGGGCTTTCNAACCAAAAAATTT

Table 2

TTCCCCACCCAACC

Sequence 2448

CCGGGCAGGTACGCGGGATCCTCCCTCCCTTTACTTCCTCACTGTGCAGTCTCCCTCAAG
GATCTACTGTGAAAGGTGTGTTTGTAGTGATATCCAACCTAACTCAGTAACGAAGTCGTT
ACTTAGCTCTTAGCTGTGAAATAACTCTGGAACTTCCCCACCCCAACCATAAATTCTTA
CTTATAAGAAACAGGTCCCCAACTGGAAACAGCTTAGTCCAGGCCTCAGCGAGAAGGA
AGGACACCATGACTGCTCCATGCTGGGCACAGCCGGGCAGTCTTGCCAAGTGCCTGCTGG
AGGCTGTGCCGGCAAGAGACCTGCAGCAAGGAGATTCCCTTCCCTCGGGCCATTATCAAT
ACTGTCTTTATCTGGAGGTGGGGAAGCCGAGCCCTCTTGAGACAGCAGGACAATGGTCA
GTTCAAGAGAGGGTGAGGGCAGCAACGCTTCAGAGGGACACAGAAGCCAGAGGACCCCCC
CCCCCACAGCTGGGTGAGCCTGGAAATCCATCTATTAGGGACTT

Sequence 2449

ACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTNTNNGGAGACAGAGNCT
CNCTCTGNNAACCCAGGCTGGAGTCCANNGGTGCNATCTNANCNCAATGAANNCTCGNCT
ANCTGGNCCACACCATTTNTNNNGCCTCAGCCTNCCGAGTAGCTGGGATGGGAGGATTACA
CAAAACCCAGGAGTTCAAGGNTGNANAGAGCCGGGANCNTGGCNCCTGNNNTACANANTGGG
CAACAGAGAGATGCCCTGNCTCNTAAACAAATAAAATAAAAGGNATGTGTGATGTG
TGNGTGNGCACCTGCNNGGTGNGTGACACCNTTTTNTATTGNGCACCAGCCACCGATGGGGA
ACTTTATGCAAGGTGTGTTACCTTTGANCTTGAGATCAGCTCATAGAAGGCCTTCAGCTC
TTCCANGGTTCTTCTTGGTGACTGATTAGACCAGGACGAAANGCGTGGGCCNCGGGCTA
TAACGTGGGCGCTGCAANCGCGGTTNCCGGTCGNCAACTCTTGCTGTGCGGTGATGGTGC
CAGGGAANGCACAAACCGNGGGCTTGCAAGCCCCANNCAACTGGCNAGTAAGGTTATTTTT
NAAANGGTNNGGNAAGGTNACCTTNGGNCNGNTTNTTAAACTTAGTGNAATCCCCCN
CNGGNCCTGNNNNNAATTTNNGAANNATAAACNTTNTNATNACCCGCTNNANCCTTTAN
GGGGGGGGGGCCCG

Sequence 2450

AGGTACTTGTCTAAGGCTCTGGCGGCTCCGCGAATCTCATGTGCTGGGCCATCATGGACG
AGAGTGGTCTTCAGCACCGCTTGTAAGCAGTGTTAAACAACCATCACACCGCCAGCAGCA
ATGCCCTCCTCAGCCACCAAGGCAGGCCACAGGTAACGAGTGATGCCCCATCTTGAACGC
ACCCAAGCCTCCGCCTCCATAACTCAACAGCAGCAGGGAAAAAGCATGGTCTCAATTCTC
TTGACAAATCTCAGAGGTATTATACTCTTATTCCAACATACATCTCCCTCCCCAAAGAAGC
GCACACAAAACAAATTTTAAACCTTATGTTTTCTACGGAAACCTTACCTCAAAGTGATGCA
CAAACTGAAATTTATATGGCTGCTTAAATGTCACATCCTGGCTCCTAGCAGGGAAACAA
AACGCTCTGAAGAGAGGATGGTTCTGCTTGAGGGGGAAAAAGTCTGTCTTTCTTAGCAG
TGCTCCTTCCCACAATAACAAATGATCCAGGGAATTTTGACCTGCCCN

Sequence 2451

AGGTACAGATTGTTTGGACNGATNGANGGGGNGGGACTTGGGAAACTAANTTTTGTAGT
TTTTGGTTTCCTGATGAAAAATTTGTAATTTCAACACATAAGCAAAATAATTAGACATCT
GGCCTAGTGTTTGACAATTTATATGGTGATTTTCATCTCCTTTGTCAGTCCTGTCAATG
TTCTATGTATATCTTCCAAAACCTTCTGGAAAATTAGNAGCAGGGAGGTCACCGATC
ACCCTACAAATTTCTCATNGTTTTATGGACCATCAATTTTTTACCCAAAAATTAGTGGC
CAAATTTCCCTCAAAAAAATTTGTCNTCCCCTGCCTTTCCAGGGAATTTAAGTTCATT
CCTCCCAAACCTTTTTATNTCCTTCCAATTTTCCCAGGTNNGGGGAGGTCCTTTCTTA
AAAAATTAATTTCCATTAATTGAAATTTTGGTGGCCTTGGCCTTTTTCCCTTGGTTGTT
NACCAACCAANGGAAATTCCAAAGGTTTCNTNACCACCTTCTTTTTAAACCAATTTGGN
TGTTAACCTTTTCNGGGCNCCTGGCCTTNNNTANGAAAACCTTAAGGTGGGGAATNCCCCC
CCCCGGGGGCTTGGCAAAGGGAAATTTCCCGAATTTTCCAAAGGCCTTTTATTCCCG
AATAACCCCGNTNCCGAACCCCTTCTAAGGGGGGGGGGGGGCCCCCGGGTTANCCCCCA
AATTTTTTTTG

Table 2

Sequence 2452

TTTNGGGGAAAGGCCCTTCCCCAACCCCGNCCGGGGTTGGGGGTCCGNGGCCCGCGCN
CCCCGGGGGGCCAAGNGGTAAACCTNTNTNTNTNTNTNTATNTNTNTNTNTATATA
NAATNNNAAATNTGTATNTNTNTNAACANAGANAANAACANANCGGTCTTCTGGG
GTNCAGACACTCNAAGNGGCCTTNGNGNANAAGATTGGCAACATTGNGGTTTGGCCCGNA
AATTCTTCNGGGGCCTTCAACATTGGCNAAAAAGGCCTTCCTGCCCTTGGTTNAAAAA
GGCCCTTCCCCNGGCACCTTCNCCGGGGGGNGGTTTTCAAACCAGGCCNCCAATTTTC
CTTCCCTTGGGCGCCTTACAAAGACCCNTTCCCCCAAAAGNTTANGTCCTTTNGGG
GGGGAACCTTTANCCAAAGNGGTTAACCCCTTCCGGGGGGCCCCGNCNTTTCNTTAA
NAAAAAAACNTNAAGGTTTGGGGGGNAATTCCCCCCCCCGGNGGGGNCCTTGGGC
CAAAGAGGNGAAAATTTTCCNGAAATTTANTTCNAAAAAGGGCCCTTTTNTANTTCG
GGGAATTTAACCCCGGGTTACCGGAAACNCCTTTCTGNNAANGGGGGGGGGGGG
GGNGCCCCCCCCGGGNTTAAACCCCNCAAAACCTTTTTTTTTTNGGTTGTNCCC
CCCTTTTTTTAAAAANNNGGGGNAAGGGGGGNTTTTAAAAATTTTGNCCCNCCNCC
CCTTTTNGGGGCCGGGTTAAAAAATTNCAANTTNGGGGGNTCAAANTTAAAGNCCT
TTNGGTTTTTCCCTTGGGGTGGGTGGGNAAAAAATTTNGTTATTAANTNCCCCG
GCNTTCNAACNAAAATTTCCCCACCCAACCAA

Sequence 2453

GCGGGAGGCTGACGAGAGCCGGGAGGCGTTAGNGNAGGAAGAGAAAAACCNAATACTAAN
TCCACTACAGCGTCGACGCGCGGCGGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCCC
GCGTACCT

Sequence 2454

CCGGGCAGGTACCCNGNGAGTCAGGCCTNAGAAAGATGGCGNNCTAAATANNNTTNCATA
NCAGCCGAGCCAGCCAAGCTCTACTCCAGGAAGTGAAAATGTGCTGCCTCGAGAGCCGCT
GGGACTTGCTGTGCTCAGGCTGGAGTGCAGTGTGCAAAACACGGCTTACTGCAGCCTT
CACCTTC

Sequence 2455

CCACCGCGGTGGCGGCCGAGGTACAGAGCATAGTGAAGCATGATGGGNGGTAGTATTAGG
AGAAAAACNTTNTCAAATTAAATTTAGCNGAGTTATTTGAGCAAAGAAGTGACTCATG
AATCGGACAACCTCCCTAAACCAGGAGAGACACCACACGGCAGTATGGGCAAGCAGTATTC
ACAGGCAGAAAAAGGAGGTGACATACAGAAACAGCCTGGCTGGCCACAGATCACAGCTTG
CCTTACTTGGTCACAGTCTGAGGAGCTAGCAAGCCTTGTGGTGGGACTGAAAGCCCAGCT
GCTCTTGATTAAGCCAACATTGGCTACTTGTGCGCAAGGAATCTATTCATCTTGGGCCC
GGGGTTGCAGTGGGCCTNACGCCCTTGTAAATCCCCAAGCACTTTGGGGAGGGCCCCAAGG
GCCGGGTGGGGATCGCCCTTGGGGTGGGGGAGTTTTGAGACCAGCCCTNGGCCATCGTGG
GGGAAACTGGNGTCTTCTATTTAAAAAGTTGCCAAGGAATTTAGCCTTGGGGCCATTGG
GTGGGTGGTTGTTGCCCTGGTTANTTCCCCCGGGCTTGCCCCGGGGCCCGNCCCGGT
TCTTANAAAACCTAAGGTNGGGATCCCCCCCCGGGGCCTTGCAAGGGAAAATTCGGAN
TAATTCAAAGCCTTTTAATTCGAATAACCCCGGTCCGGACCCTTCAANGGGGGGGGGG

Sequence 2456

AGGTACCTAAGTCAGAGTTCATATGGGGGNNNGGACTTTTTANCTGNNAAAATNNTGTTT
CCACATATTAATGCATGTGGCGCTACCAAAGCGCTGTGTCAAAAGTGTCATCATTTGTCA
TCAGCATCACCTGCCAGAAAATTGCACAGCACGGNGGTCTCAGCATGTGGGCTCTGTAGC
TGGACTGCTCAGATTCAAGTCCTGGCCTTACCATTACGGGGCTGTGTTGACCTTGAACA
AGTGATTGGCCCTCTCTGTGCTTCCAATTTCCCATCTNGTAAAGATAGGGAATAACA
CATCTTCACAGGNAGCCATGNGAGAGGCTACAAGGTTAGTAGTAAGGAAAAACACTTAG
GCTACCACAATAAGTNCAAGCNTCACTAAATCATGGTAGNTTGTACCATTTCTTATTTT
TATTAAGAAAAGAACACCAGGAAAGGGTCAAGGGGTCAAAANTGGAACCCCAAGCCTTG

Table 2

GTTCCCGGTTGGGNAAAGGAAGGGGGTTTTTTTAATTCCTTNTTGAAGTTCNCNTTTA
GGNACCTTTTCNAAAANTTCTTAAGGTTGTTTTGGGGGGGGGGTTTTAATTCCTNCCT
TNCGGTCCCCCNGCNTTNCNCCCAATTCNTTCCCTTTNGTNCACCCCCCTTGCCCTNCC
TTAAANTTTAAATCCTGGGNTTTAATAACNATTCCTNNGGTTNGGTNCCCCCTTCTTAA
AATGGGG

Sequence 2457

GGTCTCGGTCACTCGAATAACCCGACATGGNGTCAATGGTTGCGGTTGGCCGGNGAACGA
AGTATATAGAAAAGCGTGCGACAAGTCGCTGGAAATGGCCTCGATGACGGCGAAGCCTTG
CGGGGGCGGCAGCGGAGGAAGGACACCGATGACACCAGCCGAAGCTGCACTACTAGAGAC
CGGTAGAAATGAATGAGGTCCCCGCGTACCTGCCCG

Sequence 2458

CCGGCCGGGGGTTGGGGGCCCCGNGGCCCCGNAAGGGGTAAACCTNTNTNTNTNTNTNT
NTNTNTNTNTATNTNTNTTTTTNTNTNTNTNTGTNTNTATNNNNNGNGGNNCCACCNTTA
AACACATATACANANNAANANGATNCTNTGTGTTAAGNNTNGAGTGNTNANANTTNNGG
CCNGCCNGCCCCCTTGGCNTNGGCACCTTTTCNCCTTTGGGGNAATTNGGTGGNGGTTAAN
NCACCGGTTTTTCTNCNAAGNGGGCGTCCCCCTTTNTTTCGCNNGGNNAAAATTCGTA
AAAACCCCTTGTAAATATCCCCCNCGTACNAACACCCCGGTTGGGGTTCCAACCCCAA
TTGGGGGGTTAAGGGGGGCCAAACCNNGGNNNGGAAACCTTAATCCCCCAATTTCCGNAA
AAAAAGGTTTTTGGTAATTAAGGNGGGGGGCCAAGAAAACCCGTTTTTCCGNAAAAA
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GGGGGTCCNTTGNCAANGGGGGAAAAAANTTTCCGNNAATTTNTCCNAAAAAGGG
CCTTTTTAANTCCCGAAATTNAACCCCGGTNCNGANAACCCNTTTCTGNTAAAGNGG
GGGGGGGGGGGNGGNCCCCCNNGGGTTAACCCCCCAAAGGCCNTTTTTTNNGGTT
TNCCCCCCTTTTTTAAAGTNTNGGAANGGGGGGGTTTTNAAAAATTTGGGNCNGCCCN
CCCTTTT

Sequence 2459

CCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGATTGTATTGTGTTTGTGATAATTGCTA
GGAGTAGATTTTAGGTGCTCTTACCACATACAAAAAGGGGGGGTAACTATGTGTGATGA
TACGTTTTATTGCTTGACTATAATAACCATTTCACTGCATATCAAAATATTATGTGTA
TGCCCTGCATACATAAAATAAAATACAATAGCCCTTTTAGTTTAATTTAGTAATACAA
TCTGATAAAATAAAGATAAAATTAATATGTAAGAATAATAGTAACTGGCTGAGCCACCT
CGCCAGCGGCATCAGGCTTCTTAAAGTGAGAGCACGCTGTACCT

Sequence 2460

AGGTACTAGAAGCTAGAATAAAAACAGAATAATGCCTCAAATACTCAAAGGAAAAATGAT
TGCCAACCTAGAATTTGTATTGCTAATTTCTGAATGACATAAGGATTAAAAACAAAG
ATAAATAAAGTATTTCAAAAAACACACGGTTTCAAATTCCTCCACTCATACAACTTGT
GGTTCATCAAACCTAAGGGAATAATCAAGAATGAAGATAGCATGAGATTCAGAAATTGGA
GGATTCAGTGCAGAAGAGAGGCAAGGTAATCCCAGAACAAATGAAGTTGAAGAAAGGGAT
AACACCTGAATACCAGTCCCATACAGCAGCCAGTCTGAGTTTTGGAGGAGAAGGGAGGA
TTCCAGGGGAAGGTCTTTGAGAGAAAAAGATAAGTTGCAATAATGGATTATCCTATATG
TTCTATTGTAGAGAGNTATAGAAGAATTAATGACAAGAACCCAGAAAATTGTGCAGCTT
TCTTGAAGAGGTGCTCAATTATNCNAAAAANNNNNNNTNTNNNNNNNNNGTCTGNCCG
GGNCGGCCCTTNTANAAGTAGTGGATCCCCCGGGGCTGNNGGAATTCGGNTNTTCAAG
CTTNTNNGATCCCCGTCNACCTNGANGGGGGGGGGCC

Sequence 2461

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGACTGTCTCTTT
TCCAGAGCTCCTGAGTTCATACTCATAGGTGACAGAGTGGGACTCTGTCTCAAAAAA

Table 2

AAAAAATCAGCATTTCTTCTCTGCACCAGAATTGAGGCGCACAAATGCTTCAGTTTCTA
GGTAACATAAATTATCCTGCCAGACTAATACGATGACGGGAGTGCTAGTGGAGACCTCCT
GGAGACAGCTGAGGGTCATAGGTCAGGATTGAGTTTGACAGCAGGGAAAACAGCCTGATA
CGGTTTGGCTCTGTGTCCCCACCCAAATCTCATGACGAATCGTAATCCCCAGTGTGGAG
GAGGGGCCCCGTGGAAGGCGACTGGGTCATGGGAGCGGATTTTCCC

Sequence 2462

CCGGGCAGGTACGCGGGGCCGGGCGCGGTGGCGCGTGCCTGTAGTCCTCAGCTTCCCTCA
CAGGCATTCACTATCACTCCCAGCTAATTAATAATTTGTAGACGGTGTCTCGTTATGT
TGCCAGGCTGGTCTCGAACTCCTGGGTTAAGTGATTCCCCCGCTCAGCCTCCCAAAG
TGTTGGGCTTACAGCCTTGAGCCACTATGCTTGGCTCAAAGATATTTTATGAAAGCCCT
GGGACTATAGATTTAGCTGATTAATTTATAGAAAAAGTCTGTCTATATAAAGTGGCAAA
GTCTGTTCTTAATTATAGCCAAATCAGACTTAACCTCCGTCAGAACATGTCTTGGT
TTAATTCAGATAAA

Sequence 2463

CCGGGCAGGTACAAAAGCACAGCAATATTGGAACAGTCATCTGATAACCCAGACAGCTAC
TAAGTGACTAATGGGTGGGCCGTGCATACAGCATGAATGTGCTGGACAAAGGGATGGTTC
CCATCCTGGGTGAGGCAGAGCAGGATGGTGAGAGACTTCATCAAGCTATGTTAGTGAGCT
GGGGCTGCTGTAATGAAATATCATAGACTAGGTGACATAATGAGAAATTTATTGTGTCAT
AGATCTGGAGACTGGAAGTTCAAGATCAAGGTGGCAGCAGCATTGGATTCCCTCTCATGTT
TCTACCTTGGCTTGACAGATAACCGCCTTGTCACCGTGTCCACACAGGGCCTTCTCTGT
GCATAGCCCTGGAGTCCCTCCCTCTTTAAAGGACACCAAGTCATACTGGATTAGGATCCC
ACCTTACAATCTCATTTAATCTTAATTACGTCTTTAAAGGACCTGTCTAAATACAGTC
ACATTCTAAGGAAC TAGGGGTTAGGGCTTC

Sequence 2464

TTGGAGTCCCCGCGGTGGCGGCCGTCTCCGATCTTTACACGCATTCTTNGTGTTATCTG
AAGACACTCTGATGCCACCACCCAAAGCAACTGGCAGTTGACTCTTGGCAATTTAAGCT
TGTGTGGAAGCAGCCGCCGCCGCTAGCTCCTTTTATCTAGAGACACTCAGGATGTGG
GGGACACCCCAGCAATGCCATCCCTCCTTTGACCTCCAGAGCGCGCAGAATTATAAGTT
GAGTAATACTTTATTTGAAAAAATGAAAAGTGACACACACACACACACACACTTACA
TAGGCACAGGATAATCTGGAAGTATGACCAGCAAATGATAACTGATTCCCTCAGGGGAGA
AGAAACTGGGTGGCTGAAGGACAGGAATGA

Sequence 2465

CNCCGGNCNGGGGTTGGGGGNCCGGGGGNCCCCGGAAGNGGTTNAACCGNCCCGNNGGGG
NGTCCAAANGGGGNAAACCAANANGGNAAGGGGGAAAAGGAAGGCCANGNGCAAANAAG
NAAGGNAAAAGNCCACGTAAGNAAGTGNCAAGGNAAGGCCCGNCTAAGGTTCCGGCCA
AGGTTCCGGCNAAGGCCNCCGNCCAGNCCAAAAGGNAAGGTTGGAAGGAAAGTGGAAGT
CCAAGGNAAAAAGNCCGNAAGGNCCAAAGNCCATAAGGCNGNAAGGTACCAAGGCCAAA
GGGGGCCGGGGGCCAAGCCNAAGNCCAAAGGTAAGTAAAAGTAAAAGTAAAAGNNGGA
AAAGGACCACCTTGACCCCGGCCTTCCCCCAAGGTTCCCCAAGGAATTCCTTCCCAT
TCCCCCGGCNTTCCCCGGTTGGTTCCAAAAAGGGGAAGNCCGGGGGNAAAACCAATTG
GCCCCCAAAGGTTTCTTTGAAAAATTNCCCCAAGGCCCAAGNAAGGGGGGAAAAA
GGGGTTCCCGNAAGGGGNAAGGNAAGGNAAGGTTGGGAAGTAAAAATTGNCCTTTGGGG
CCCAACCCCAAAATTTCCAAAGGGGGGGGGAACCCCCCGGGGTTCCCCAAGGGGG
GTTCCCGGNAAGGGAAATTTCCCCAAAANTTTTCCCCCAAAAAATTTCCGGNAAAAAA
AACCCCCCAAAAAACCCCTTTTCCCCAATTTTCCAANGGAAAAATTTCNAAACCCG
GCCTTCCCCCAAGGGAATTTCAAAAAAAGGTTTCCAAGGGCCNTTTTCAAAAAAA
AAAACCCCCCGGGAATTCNTTCCGGGGGGTTCCCCCAAAANGGTTCCNTTTAAGGNAA
TNCCCCAAAGGGGGTTCCCTTTGGCCTTTTCCCCCAAGGAATNNCCGGCCCCCCTT
TCCCCCCGG

Table 2

Sequence 2466

TTAATTAAGGGGGGGCCCGGAAAAATTTGGGGGAAAGGNCCTTCCCCCAACCCCGGCGG
GGGTGGGGGGCCGGGGCCCCCGGAAGGGGTAAACCCTNTNTNTNTNTNTNTNTNTNTNT
NTNTGNTTGTNTGTNTGTNTNTNTNGGNAACCTNTNCCTNTTTTACCAAGAGAGATT
TTTTTTCCCTGGGTATNTGGGTNCNTNTNTGGGGGTNTNTNTNCCTGGGCCTNTCTNCC
TCTNTNTNTNTNTNTNTCTCCCTNTNTNTNTNTNTNGGGAAGANAATTGGGGGNAAGGTT
TTTTCCAACCTTAATTNTGGGTNTNGCCCCCAAGAGGCCTTGNGNGAAGANTTGNCC
AAAAATGGGGGCCAAAAAGANAATTCCTTTNTGNAACCTTTNCAAACCTTTGGCCAAAAA
ACACCCCTNTTTGGCCCCCTTTTNCNCCGGGGGGGGGTGCCCCAAAAAGGCCAAAAATTT
TTNTTTTTTNCNCCGGGCNCCCTTACAAAGGACCTCCTTCNCNCCGGNNAAGGATTAA
GGCCNNTTGGGGGGGGGNAATNTTAACCCAAAGGGGGGCCAAACCCCNCCGGGGCTN
CCAAACCCCNAAACGGGGGCCNCCCCAAAGGACCNTTAAAAAATTTTTTTTTTTTTTT
GGGGCCCAATTTTTTTTTTTTTTAAAGGNTTAAANAAAAAGNAAAATTTGGGGGGGGG
GGGGGTTTTTTTTTAAACCTTTAAATNNAACCTTTGGGGGGGTTCNCAAGGGGGGC
CCTTTGGGGGGGTTCCTTTTTGGGAAAAAACCTTTCCCCCTTGGGGGAAACCCCCC
TTTCCAAAGGGGGGTGGGGGNAATTCCCCCAAACNNCCTTTGGGCCCTTTNCGGGG
GGGCCCTTCNCCCCCAAAAAAGGATNNGNCCCTTTNGGGGGGGAAATNTT
TAACCCAANGGGGGGGCCGGGGGGGGG

Sequence 2467

CCGGGCAGGTACAATGTCTCGCGTCTTGTCTGGTGGCCACCTTGGGTCCCAGTCCACC
TGGACATCAGGCTGACGTCACTCAACAATGGCCGGGTGTTAATTCGCCACCTTGAAGC
CATCTCTGGAAGTGTGCAACTGGGTCTCCAGGCTTGGTCTGTTTCAAGATTAGCTCCTAG
AACTAATCTCACCTGGCCGCTAGTTATTGATGGAGCCCATATGTGAAGTCAAGCAATCT
TACTCTTTCTCTATGGCAGGCTCCCTGCCAGTGTGTCATGGCAGGTGAGCACACGG
GATACTGGATCTGAGAATCTGATCTCCAGGGATCTCCCCTATTCTGTTCCCCCTGGAG
GATTCAGCAGATACCTGTAGATAAGAAGCTGAGCACTGGAGAAATTAAGTAGTCCCAGTC
TTCTAGTTAACTACTAAGTAAAGGATCCTTGATTATACCCAGCTCTTGAGTTCTGAGCAT
TAATT

Sequence 2468

CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAATT
CGCGGAAGAAGTGGCTCACGCCTCCAGAGCCACATCATCGCGGTGCGAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCTGCAGGTACCT

Sequence 2469

CCGGGCAGGTACGCGGGATTCTCCTGAGGATGTGTCCCATCTAGGGAAGGCTGGACTAGG
CCTTGCGGCTCCTCAGGGACTCAGGTGGCCCTACTGGGAGAGGGGCCCTCAAATGCACCAT
GTCAAGGGTTCAAGATTGTTCTGCTTTTCCCCAAGTACCT

Sequence 2470

CGGGGGTTTTGGGGGCCGGGGGCCCGGGGNCCGGGGGGGNAAGGGGCCNTTGGNAACCGN
AAGNAAGCCCCCGNGGGGNAAGGGGGCCCGGTTTTNAGGGCCGGGAAAAAGNGNAAAA
ANGNAAAGGAAAAAAAAAAAAAACNCCGTAAAAGTAAACCGNAAAAAGNCCCCAACCTTT
AACCAAAGGCCGGTTCNGNCNAAGNCCGGGCCGGGGCNGGCCGGGGCCCGGNTNCCTTGGC
CTTTTTAAATTAAGGGGAAAGGAAGGGGGGGGCCCGGCCAAGGGGGCCCCCCCCCGNC
CGGTAAACCCCTTCGGGGGCCCGCGCTTTCCTTAAGGGAAAAACCTTAAGGGTTGGGG
AAATCCCCCCCCCGGGGGGCCCTTGGGCCAAGGGGAAAAAATTTTCCGGAATTA
TTCCAAAAAGGCCCTTTAAATTCGCGAAATTAACCCCGGGTNCCGGAACCCCTTTT
CCGGNAAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGTTTAACCCCCCAAGGC
CCTTTTTTTTTTGGGTTTTTCCCCCTTTTTTTTNAAGGGTTTGGGAAAGGGGGGGGGT
TTTTTAAAAATTNTTGGGCCCCGGCCCCGGCCCTTTTGGGGGGGGCGGNTTAAAAA
ATTTCCCAATTGGGGGGGTTNCCAAAANTTAAAGGNCCCTTTGGGGTTTTTTTTNCCC

Table 2

CCCTTTGGGGTTGGGGTTGGGGAAAAAAATNTTGGGGTTTTTAATTTCCCCCGGG
GCCTTTCCCAAACCCAAAAAATTTTNCCTCCCAACCCAAACCCAAAAACCCAAATTTAA
CCNGGAAAAGGCCNCCCCGGGGGGGGGAAAGGGCCCAATTAATAAAAAAGGGNTTNGGTTT
AAAAAAAAGGNCCCCCTTGGGGGGGGGGGGTNGGGCCCCCTTAAAAATTGGGNAAG
GGTTTGGGAAAGGGCCCTTTAAAACCCCTTCCAA

Sequence 2471

CTCACTATAGGGCGAATTGGCAGCTCCACCGCGGTGGCGGCCGGCGGLAGGCTGACGAGA
GCCGGGNGGCGTTAGCGAAGGAAGAGAAAAACCGAAGACGAAGCCACTACAGCGTCGCGAG
CGCGGCGCGGCTGCTTTATAGGAGAGGGCCGAGGCCCGCGGTACCTN

Sequence 2472

CCGGGCAGGTACTTTGAGGAAAGAGGCTGTTATTTCTTGTTAGAGGGATCTGGTCATCTT
TTCTGCTCTGTTGTCTTTGTTTATGCTCTCTTGAGAGTCATGGTTCCCTCTGCACCTTGG
GCTTGGCCCGCTGCGGGGTAGCCCCGTTTCCCAAGCATGGTGGGACCCCTGCTGTGCCT
CCACATCTGTGTTCTCCATCTGCTCTGGAATGCCCTCCCTGCCAACGCACAGAGCTCTCC
AGCCTCGGGGAACCTGCTGCTTTGGTTGGGAAATCCCCCTGGGATTAAGCGTTCCTGCC
TTCCCGCAGCACTTTCCTAGCTCAGAGCAGGCTCACAGACCGTGTGAGTGTCTTGGGTA
CCT

Sequence 2473

CCGGGCAGGTACGCTTTACTAATCTAAATTGGGTAACAGAACTGGAGAAAAGGAAGACTA
CACAGACTTATCATAAGCTGTTAGTGAACGTGATAGAAATGCGTAATTTGTTAAAGCGAA
TTACAGCTCTGATTTGTCAAATGAGGAGGNGAATTATCCTAGGATTTGCTATGCTGTNGT
GGCGTTAGAAGATTGGATCTTTAGCAGCAAAGGTAACCTCAACAATATTTTCTGCTTAAG
AAAGTGCCTTGGTTAAGGNAGACCGTGATATCGTCTTTGACTAAGCTCTCTGGGCTATTG
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CATGCAATCCACAAAGACCCTGGCGCCCTTCCCGGTATGCCNCTTNACCAAAAATTTNNC
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NTTNNCTTTAACTTGTTGNAATCCCNTTCCCNAAAGGAAANNGGTGGGCCACCCCTTTTCA
CCCTNTGGNAAAAGGAGGGCCTNGNCATTNGTTCTGGNGANNCAAAGGCNNNACCTNTTN
GGGAAAAACCCNTNGCNNGCAAATNAATNCCCTNNCTTTNCANGAAAATAANCAANG
GGGNTTTCNNGGCCNANATTTTTTAACTTNNNTTNNAGGAATTTTANCNAACNGNTT
TTNNCAAGNGAACNCGNCGNGATTNCTTTTAAAAANCCNCTNTCCCTTTTGGNAANCC
GGCCCCNAANTTGTTGTTNNCCNNGTNATANCCCCNTTNGNCCCCCTTNTCCNAAATNTNN
AAANTTCCCCGGGCCCCCGNGGNTTTTGGGNTNTAAANTTTTTTAANNTNNTGCCCC
CCCCCGGGGGGG

Sequence 2474

CGCGGTGGCGGCCGAGGTACCTTTTTTTTTTTTTTTTTTAACTCCCTTTCCTTGT
ATCTGAACCTCCAAACATCAGCTTTGATGTCTATTGTTGGGACTTCAAGAGGACTCTTAN
CACATCGGCAGGTGTTGGTTTATGAGCAGGCGAGAGTCCCACATTCTCCAAGGAGAG
AGATGGGTCCCACACATTCTACCCCTAGAGCAGAAGTCCCAGCGCTGTGCCTCTTCTC
TGGCTGCTTGCTGAGGACGTCTCCAGTGGGGTACCTGCCCG

Sequence 2475

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTCACATCATAAATGACAGGAAAAAA
CAATCGAAGGATCTCAAAGAAGTCAAGTTCTTCTTCAGGCAAGTTAGAGTTGGTTAGGAT
TTTGATTCCCGCGTACTTTTTTTTTTTTTTTTTTTTNGGAGTCATAGATTTTATTTA
ATTAAAAATAGATTAATAAACAGACTGTGTAAAGAATTAGAATTCTCAATAATTTACTATT
ATTTACATTAGCAAATGTCGGTCGTTAGTAGACACTGAGCANAGAAGCTTGAANAACGGG
GATCCTCTCCTGTGGGCAGGGGAGCCCCAGCTTCCCTCGTGATTCCCGTCCTTTCAAGTT
CATTATGGCAGCTNTGTCAATGAGCACCCAGGGTGGTGTGGCCGCAGNACCAGGACCCG
CGCTGCCCCGCGT

Table 2

Sequence 2476

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTAAGTCTGCTGCAGAGAAAAAG
CATCCATGTCAAAAAGTAAAGGTTCTCATTCTACCTTGCTTCCGTTCCAGACCTTGTC
TTACCTTCCTGAACCTTTTATATTCTGATTATCTTGCTTCCAGGACCTTGATTCTG
GAGTTCCTCGCCGAACCTTTTAACTCTGCTCCAGCTCTATGAACCTTTGGCTTGACG
TCCCAACACGGGCATGCAGGATGCGGTATTGAGCATAATCTGTCTCAAAGTCCTGCTCAT
AGGCATGTTGCTGTTCTGCACTGTGGATGGCCCTGTATTGCAGGAGGTAGTCTGGTATAT
CTTCAGGACTTGGGGATTGAGAATCTTCTTGAAGTGAAGAACTGNGTTCTAATCTGGGGT
CCATGTCCTCATCTTCTTGCTCCCAATCTTCTCCCTCTTGTAATCTCTGATTGGTCAGGC
CTTGATAGGGGGCTTGCACTAAAGGCAGAGTTCTGAACCTCTTTTCTTCCAGTTCTACAG
TGGCTACAGGCACTGAACGTTTCTTGCTCCAGACGTTTCCNGCT

Sequence 2477

TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATACGCCCCAGAAGGGCGGACTGGCCGGA
GTCCAGGGATGGGNGCCAACGCCCCATAACAGAGATCAGCATTGGACTACAAGAAGAGGC
AAGGAGAAATCAAGGATCAAAATTTAAGTAAAAGAAAAGCCAAGTCATTAATAATAGCCC
CCTCATTGAAGAGTGGGAACGTAGGTGTGATGTTCTGGCATAAGGAGTGAAAAAGAAAA
GCTCTATTACTTGAAGCTTTTACCAGGGGCAGAGAGAATGGCCAGAAGTGAGAAACGTG
TGTGTGGATGCTTACACCGATGCCGTCTCCTAATATTGGAACATGGCTCCAGAAAGGAGA
ACCAATTATTCCTAATCCACGGGCGGCATTCTCTGACTCCCAAACCTCCCAAAGTGGAGG
GCAGGAGCTGCCCTTACCTTGAGGAAGCTCATAGTGTGTTGGTAAAACTCTCCCGGGGTG
CGACATAGGATGCTTTTCAAGCTCCCTGGACAATGGTACCTGCCCC

Sequence 2478

CCGGGCAGGTACGCGGGGTCTCAGNTTCAGGCACCACCACTGACCTGGGACAGTGAATC
GACAATGCCGTCTTCTGTCTCGTGGGGCATCCTCTGCTGGCAGGCCTGTGCTGCCTGGT
CCCTGTTCTCCCTGGCTGAGGATTCCCCAGGGAGGATGCTGCCCAGNAAGACAGATTACA
TCCCACCATGGATCANGGATCACCCNAACNCTTCAACAAANGATCACCCCCAACCTTGGG
CTGAANTTTCGCCCTTTCAAGCCCTTAATACCCGCCAGGCTTGGCCACNACCCANGTTCC
CAAACNAAGNACCCCCAAATTTATCTTTTCTTCTNCCCCCCCCANGATTGGAGGCNA
TTTCGGCCTTTANCAAAAGNCCCCCTTTTGGNCAAAATGGGCCTTNCTTTCCCCCTTNGGG
GGGGGAACCCCCAAAANGGGCNTTNGAANCAAACTTTNAAACCGGAATTGNAAAAAATCC
CCNTTGGGGAAGGGGGGCCCTTNGNAAAATTTTTCNAAAACCCCTTTTCNACCGGGGGAAG
GAAATTTTCCCGGGGAAGGGGGCCTTCAANGAAATCCCAATNGNAAAAGGGGCTTTTTT
NCAAGGGAACCTTTCTCTTCCCCATTACCCCTTCAAAACCAAGGNTCCAANTAAC
AANGCNCNANNTCTTTCNCAAGGGCTTTGAACCCACCCCGGGCCAAAATNGGGGGCCCT
TGGTTNTCCCTTTCAAAACCTTAANGGGGGCCNTNAAAAGNCTTAAGNTGGGGGAATT
AAAANGTTTTTTTNGGGGAAGGGGAATTGGTTTTTAA

Sequence 2479

CCGGGCAGGTACCACACACCCTCCACTACTCATCACCAGACAGGGAACCCTGGCTTGGGC
CCACAGCACAGACCCTCCATCCTGGGCCGATTACACTAAGTGATTGCTAACTCACATGTC
TCTGGGATGGAGCACCCAGGAGACAAGCAAAGTGTGGAGCAGCAAGTCAGGTGATGTGG
AGCCCAGAGGGCTGGGACAGCTATCTCTTAGGGTCTACTTGCCCTTGTGAGACACTTTA
TCCCAGCACTTTAGGAATGCTGAGGTCATACCAGCCACATCTCATGTGCAAGATTGCCCA
GCAGAGATCAGGTCCAAGAGTTCCTGTTTTAAAAAGGGGACTTGCTTAATAAAAGAAGT
CTAGCCATGTTTGTGTAGAGCAGCTGTGCTGTGCTGGGGGTTCTTTTGAAGAGATTCTT
CCTCTGAGACCTGATCTCTGGAGGCTGGGCAGTCTTGACATGANATGGGGCTGGTCTGA
TGGCAGCACTNCTTATGCTGCTTGCTTCCCCATG

Sequence 2480

CTCCACCCGGCCGAGGTAAGTCTGCTAAGGCTCTGGCGGCTCCGCGAATCTCATGTGCTGG
GCCATCATGGACGAGAGTGGTCTTACGACCCGCTTGTAAGCAGTGTTAAACACCATCAC

Table 2

ACCGCCAGCAGCAATGCCCTCCTCAGCCACCAAGGCAGGCCACAGGTAACGAGTGATGCC
CCATCTTGAACGCACCCAAGCCTCCGCCTCCATAACTCAACAGCAGCAGGGAAAAAAGCC
ATGGTCTCAATTCTCTTGACAAATCTCAGAGGTATTATACTCTTATTCCAACCTACATCTC
CCTCCCCAAAGGAAGGCGCACACCAAAACAATTTTTAAAACTTATGTTTTCTACCGGG
AAAACCCCTTTACCCTCAAAGGTGGATTGGCACAAAACTTGAAAATTTATTATGGCTTGC
TTAAATGGTCACATCCTNGGCTCCTANGCAAGGGGAAAACCAAAAACCGCTCTTGAAAG
AAGAGGGATGGGTTCCCTTGCTTGAGGGGGGGGAAAA

Sequence 2481

AGGTACAGCATGTATGGCCATAAAACCACTCATCACACTACTGAAAGACCCTCTGCCCCA
CTCTATGAACAGCACATGGTGAGCCCCATGGTTCATGTCTATAGAAGTCCATCCTTTGGT
CCAAAGCATCTGGAAGAGGAAGAAGAGAGGAATGAGAAAGAAGGAAGTGATGCAAAACAT
CTCCAAAGAAGTCTTTTGGAACAGGAAAATCATTCACTCAGGGTCAAATATGAAA
TACAAAACCACGAACCAATCAACAGAATTTTATCCTTCCAAGATGCCAGCTCATTGTAC
CT

Sequence 2482

AGGTACTGCTGCAGAGAAAAAGCATCCATGTCAAAAAGTAAAAATTCTATTCTACCTTG
CTTCCGTTCCAGACCTTGTCTTACCTTCTGAACCTTTTATATTCTGGATTATCTTGT
CTTCCAGGACCTTGATTCTGGAGTTCCTCGCCGAACCTTTTAATCTCTGCTCCAGCT
CTATGAACCTTTGGCTTGCAGTCCCAACACGGGCATGCAGGATGCGGTATTGAGCATAAT
CTGTCTCAAAGTCTGCTCATAGGCATGTTGCTGTTCTGCACTGTGGATGGCCCTGTATT
GCAGGAGGTAGTCTGGTAATCTTCAGGACTTGGGGATTGAGAATCTTCTTGAAGTGAAG
AACTGTGTTCTAATCT

Sequence 2483

CCACCTTGGGTCCTCAGTCCACCTGGACATCAGGCTGACGTCTCAACAATGGCCGGGT
TGTTAATTGCGCACCTTGAAGCCATCTCTGGAACCTGTGCAACTGGGTCTCCAGGCTTGGT
CTGTTTCAAGATTAGCTCCTAGAACTTCTAATCTCACCTGGCCGCTAGTTATTGATGGAG
CCCATATGTGAACCTCAGCCAATTCTTACTCTTTTCTCTATGGCAGGCTCCCTGCCAGTG
TTTGTCTATGGCAGGTCAAGCACACGGGATACTGGATCTGAGAATCTGATCTCCAGGGATC
TTCCCTTATTCTGTTCCCTTGGAGGATTGAGCAGATACCTGTAGATAAGAAGCTGAGC
ACTGGAGAAATTAAGTAGTCCAGTCTTCTAGTTAACTACTAAGTAAAGGATCCTTGATT
CATACCCAGCTCTGAGTTCTGAGCATTAACTTTGTTGCATTGCATCTGGTGTGAGT
GATTATTCTGTCCCATCC

Sequence 2484

ANAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGGCGGGAGGCTGNCGAGAGCCGGGAG
GCGTTAGCNGAAGGAAGAGAAAAACCGAAGACGAAGCCACTACAGCGTCGCAGCGCGGCG
CGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCGCGGTACCT

Sequence 2485

TGCATAGACTAGTCAGGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCTCAAGCTTC
AGCCGTGCGTGGACTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTATCTCACT
GGCACCTTGGTCCATCGTAGGATCAGCTGTGTTGCATGGTCTAGGTCTGTTGGCTGGC
CCACTTGTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCC
TGCAACATTTCTAGGCTTCCAGTGGGTCTGGCGTCTTAGCTGTGGATCTCCAATACCT
GCAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGA
CTACACCAGAAAGCTCCGGCTGCCGCCAGAGACAAAGGCCCCACCCCCCGGTACCT

Sequence 2486

TGCCNANTGAGTGANCTAACNTACATNAATCNAGAANTNCTGNATGCCCCGNNCTNAANG
AATAAATNNCAAGNTNATCTNTACCAATGANCTCGACGGGGGGCCCGGAGACCAGNTTT
GCGTCCCTTTAGNNAGGGNNAATTNNCCGCTACGNNNTAATCATGGCTNTANCTGTTT

Sequence 2487

Table 2

GCGGCCGANGTACCCNNACATTANGAAAATTTTCTATTTNAACTTTTTATTGATTTTTG
GGGGGAGTAAANAATTATTTGTGATGCAAATAAATATCCTTTAATTGGTCGACTTGCCA
AATTTAGATTTGTGTGCATCAGGCTTTCTTTTTTTCTTTTTTTAGAGAAGTTCAATATA
AGCTTTTCTTTTCTTTGTGCTTTCTTTCTTTATTTTGAGATGGAGTCTTGCTCTGTGCG
CCATGCTGGAGTGCAAGTGGGCNCCGATCTTCGGCTCACTGCAACCTNCACCTCCTGGGT
TCAAGCGATTCTCTTGCTCAAACCTTCCCAAGCCAGTTTGGGGACTACCAGGCGTGAG
CCACCATTGCCCGGGCTTAATTTTTTGTATTTTTAGTTAGAAGAACAGGGGTTTTTCAC
CCATGTTAAGCCCAGGGCNTTGGGTCTCAAAAACCTCNCCTGGACCTTCAAGGCCAATTCT
GGCCCCGCCCTGGGGGTTCTTCNTAAAAANTACCTGGCCCCCGGGNCNGGCNCGGCTT
CTTAGAAAACNTAANGTNGGGAATCCCCCCCCNGGGGCTTGCCAAGGAAAATTTCTGAT
TATTCAAAAGCCTTTANTCCGAANANCCCGGTNCGAACCCTTTCNAAAGGGGGGGG

Sequence 2488

AGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACAGGGTCCCAAAATGC
GCTGACTCAGCTTCACCAGCCCATCTCGGATCTAAAAGACACCCACAAGAAACATGTTGT
TTAGCTTTTCTTAAGCATCTCTGTCTTAGAGTTTCTTGTCTGACCTTTCTATCAGGTTT
TTAATCTTGAAAGTGATGGTGTCTAGTGGCATTTCTTAGATCAGACCCTCTGGGNTCGTA
NCCCAGCTNTGCCACACACATGCTGCTTGACTGACAAGGAGAAAGAAANGAAGGGANGCC
TCNCTTGTCCTCCACTTGTCNCATTGAAAATAANTNTANTACCTTAACATTACCACATA
CTTCTTTCACCCATAATTATCACCTCATTGCCAAAAAATGTCTCTTCCGGNCATGNAA
ATGNAAGGATCCAGNCCCCAACCTTNCCAGCCAGGGAAACCAAGCCCAGGCGGCTTTGGG
CCCATGCCCTTCCNNCAAGGGACCAAGGGA

Sequence 2489

CCGGGCAGGTAAGTGGCTTCAATGATAAAAAAAAAAAAAAAAAAATGACTGCATTTTT
AAGGCCTAGCGCTTCAAAGGCTATATTGTCTTACGTGTCTGACTTTGGCATCTGCCCTTT
CTGACTTTTGACCTGCGCCTTCAGCATGCCGGAAGTGAATGTGGACTATAATGCCAGC
TCAGAGACCTTGCGGTGTGAGGCTCCCCGATGGTTCCCCCAGCCACAGTGGTCTGGGCA
TCCCAAGTTGACCAGGGAGCCAATTCTCGGAAGTCTCCAATACCAGCTTTGAGCTGAAC
TCTGAGAAATGTGACCATGAAGGTTTGTGTCTGTGCTCTACAATGTTACCGATCAACAACA
CCATACTCCTGTAATGAATTTGAAAAATGACCATTGGCCAAAANGCAACAAGGGGGGGA
TTATTCAAAGGTGGACAAGGGTGGGGGTNTCCTTGCCAATGGCCTTTTTTGNAAANTNGN
AATTAACTTGGGGGGAAAAAGGAGN

Sequence 2490

AGGTACGCGGGGAGAGAAAAAGAGAGTAAGGGAGGAGGGAAGGATAGAGAAGGGAGTGAG
TTAGCAAAATGCCACACTGTTAGTTGCAAACCTGGCACAAAGGTGAATGCGGTTTCATGAGG
CTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAGAGCAAAGGCAACCTGCAGCGAAA
GCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGGATTGC
TTCTGCAACAAAAGCCTCCACCCAGCCACATNTTGTGAAAAGAATGGCCACTTCTTGGGG
CACAGTCTTTTTCATGCTGGTGGTATCCTGTGTTGTCAGCCGCTGTCTCCACAGGAACC
AGCAGACTTGGTTTGAGGGTATCTCCTGTCTTCATGTGCCCCATCAATGTCAGCGCCA
GCACCTTGTATGGGAATTATGTTTTGATGCANGGAGCACTGGAACCTCCGAATTCATGTTT
TACACCTTTTGTGCANAAAATGCCANGGACAGCTTTCCAATTTCTTNAANGGGGAA

Sequence 2491

CCGGGCAGGTAAGTACAGGATATAAACCTAATCCAACCATAGAAGTTAGACCCTATGATT
GAGGCTTGGGAGAGTTAAATAACATTGGGTTTTTGAAGCTCTAAACTTCAAAATCTCTGA
CCCATGTTAAGAAAGCAAATTTCTTGAATGTCCTTGATTAGCTAGCAATATGTGGATTAA
TCACTTAGGAAGAATTGTTAACGGTGACCTGGCCATTTGTTTTTGAAGTGATCTTTG
CTGTGTGGATGCAGCACTGTNATGGTGTCCAGTTGCCATTCTAACCCAAATTAGGTCTT
TACCTCAGTCAGTTAGCTAGCTGGCCATGTGAGGATTGGTGAAGTTCAAAATTAGTCTT
CATAATGTTAAAGCCACAATTCATCATGAACATAAGACAGCTATTGATACCTACCTATG

Table 2

TATCAAGTTACACATCTGCAATTTTTTTTTTTTGA

Sequence 2492

AGGTACGCGGGGAGAGAAAAAGAGAGTAAGTGGAGGAGGGAAGGATAGAGAAGGGAGTGA
GTTAGCAAAATGCCACACTGTTAGTTGCAAACTGGCACAAAGGTGAATGCGGTTTCATGAG
GCTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAGAGCAAAGGCAACCTGCAGCGAA
AGCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGGATTG
CTTCTGCAACAAAAGCCTCCACCCAGCCACATCTTGTGAAAAGAATGGCCACTTCTTGGG
GCACAGTCTTTTTTCATGCTGGTGGTATCCTGTGTTTGCAGCGCTGTCTCCACAGGAACC
AGCAGACTTGGTTTGAGGGTATCTTCTGTCTTCCATGTGCCCCATCAATGTCAGCGCCA
GCACCTTGATGGAATTATGTTTGATGCAGGGAGCACTGGAACCTCGAATTCATGTTTACA
CCTTTGTGCAGAAAATGCCNGGACAGCTTNNCAAATCTTAGAAAAGGGGGAAGGTTTTTT
GAATNTTGTGAAGNCCAGGNACTTTTTCTTGCTTTTGGTAGNAATCAACCCTAAAGCNA
GGGGTGCTTNANGACCCNNTTCAANGGGGCTTTTTTAANANGGTGGCCAAAAANACTTTA
AANTCCCCCGNANTNCNCTGGGAAAAAANAACCCNANTGGGTCCNTTAAGGGNAAAC
NANNTGGGNNNTNCCNTTTNTTTTNCNAAAAACCAAAACCCAAGGGGTTTNTTTT
TTNGGGGGNAANAGGNANTTTTTGNGNANNNTCNTTTTTTTTNNATNTTGTNGGG
GGGGGGGTTTTTAA

Sequence 2493

CCGCGGTGCCCCCGCNGGTCCCCGGGGCANTCAGATNCGANGACATGTTGACGTCGTC
GAGAGTCTTAAATCCTGCTGTGGCCGATTCCAGACTCGTGGGGGAAAGGCTGGATCTT
AATGCAAGTCATGAACCTGAATGTGCCGATGAGGCCTGGCATTCTGTCCAGAGACAGAG
TAAGGAAGTGTGGCCACACCCTTAGAAAACAGAAGGGACATGGAGGCAGAAGGAGGAGA
ACCCAAATAAATGAGAAGCAAGNAGCCTGAGAATGCTNGCAGTAAACCTGGTCAAAGAAT
GAGGATGATTGGGTTTTGCCANTAAAATACACACATTNTGTNCACTAGGAACCTCCTTTC
AGTTTGTGAAAAGGCCANAAAAANGTACNTTTTANAAGGGANGTTGACCAATTTTT
TCTTAGGGGGAGGGTAAATTTGGTTTGTGGGNATTCCTNTNGGGAAATTGGNAAATACC
CCNCNTACCCNCNTCNGGAAAGGCTTAATACCTTCCGGNNGAAACCATTATTATNGGA
GGAAGGGGAAATGGAAGGCCTTNAAAAAAAGGGGTTNTANGAAAGTGGAAGGAG
AAAAAATGGTNAAACNGTNTTGGACTAAANCCNTTTGNAAGAAAGAAANTGAANGGGG
GATNCCTNGGGGGCGGGTTNTTAAANAACCTANGTTGGGAATCCCCCGGGGCTTGGN
NGGGAANTTTTNGTNTTCAAANNCTTTNTTNGTNNANCNCGGTCTNACCCTTGANGG
GGGGGGG

Sequence 2494

CCGGGCAGGTACAGATGTCCAGTAGACCTACTGGATATGCAGGCCTGCAGCTCAGGGGAN
AGCTGGGTAAAGAACCGTCAAGGCAGTAATCATCTGCATTTAGATGGCGAGTGAAGCCAT
GACAGGGGCTGAAATGGCCAGCAAGAATAAATCAAACCATGAGAAACACATACATTTAA
GAATAAGGAGATGTGGTCAGGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGGAG
GCCCCAGGCCCGGTGGATCACTTTGAGGTCAGTNAGTTTGAAGACCAAGCCTGGGCAACC
TAGGTGGAAAAATCCCCGTTCTCTGCTTAAAAATACAGGAACTTTAGCTTGGGGTTGTGG
TGGTGCCGTGCCCTATAAGTCCCCAAGCCTGNATTGGGGNAGGCTTGAGGGCACCAAAGA
AATCNCCTTGAACCCCCGGGTAGGGTGGGAAAGCCTTGCAANTGANGCCNNAGGATTAC
ACCCACCCGGTANCTTCCANNCTTGGGGCAACCAGGAGAAAAACNACCNTTNTCTTTAA
NANAAAAATTAATTAATTANGGGGANGAATGNNTCANTGGGCTNCGGGGGGGGAGGGGGG
GAAAA

Sequence 2495

CCTGACCTCAGGTGATCTACCCACCTCAGCTTCCCAAAGTGCTGGGATTACATGCCTGAG
CCACCAGGCCCCACCGTTAGTATTTTCATAGTCTTCTACCACCTACCTCGTATCAGTTTCA
GATTTATGTTTCTTGTCATGATCACAAAATCATGAAGAGATCAATAGGTTTCATCTTTT
TTTTAATGGCCAAAATGGAGCCCACTACAGCCTGCAATAGGAGAAGGATACCCATTAAAGT

Table 2

AAATTCAATTTGCAGCAGCAGAAACATGTTGCTTTTCAGAAGGCTAAAGNAGACAGTTTC
TTCATTTTACAATCTCTACACTGATATAAGTCTTTTCTATAAGCAGATAGAATACATTA
TATATGAACAGCTGTTACATTTCTGAAATCTCAATCTGTAATCCCAAACATTAACATTC
CTTAACATTAATATTCTCTGGTGTTCATTAATAAATACTGATAACTGGACGCTTTCTA
ATAACAAAATCTNCACTTTATAAACCTTTTAATGAAAGCTNCAATTTTACTTTTAAACC
CGGNTAGGGGATACTATTATTTGAATTTCTCATTTTT

Sequence 2496

AGGTACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCG
GGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGG
ACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGGAC
TCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTACTATTAATG
AGAACGAAATACACATTAGGAAAATGGAGCCATTTCAATCTAGTGTTGGGCAAGATGG
GGAAGAGAAGGGGAAACATTCTAGTTTCTGGATTACATTATTATGCCCTCCTGAAAAGG
TGGTTGTCATTTGCATTTATTTAAAGCAGGTAATATGCAGGAATGTAAGTGAAGGATTATC
TTCAGGCAATCAGCAAGATATCCTCCTCATGGTCCCTTTAGCTCTCAAAGCAATGAAAT
CCTCCTGTTCT

Sequence 2497

NCCGGGCAGGTNCTCGGGGAACGACGAGTTTCAGAACGATGGAGAGCTCCCGCGTGAGGC
TACTGCCCTCCTGGGCGCCGCCCTGCTGCTGATGCTACCTCTGTTGGGTACCT

Sequence 2498

CCGGGCAGGTACTAAAAAACAATATTAGCCGGGTGTGGTGGCGCATGCCTTTAATCT
CAGCTATTCTGGAGGCTTAGGCGGGAGAATCACTTGAACCCAGGAGGTGGAGGTTGCAGT
GAGCCAGAGATCATGACATTGGGCAACAAGAGCAAACTCTGTCTCAAAGAAAAA
AAAAAANCAGGGACGTGGGATGGCGAGTGATGGGAAGCTATTGGAGTCCCTCANAG
AAGAGATGACATTTGAGTCAACACCTGGAGAAGTTAGGGAGTGAATCACATGGTCTTCCG
GGCAGCAGGAACAAGCAGTGCAAGGCCCTGAGGCAGGGGTGTGTCTGACGTGTTAAGG
AGCATTCAGGCCAGACTCACTGGTTCACGCCTGTAATCCAGCACTTTGGGAGGCCGAGG
TGGGCAGATCACCTGAGGTCAGGAGTTTAAACCAACCTGGCCAACATGGTGAAACCCCG
TNTNTACTAAAATACAAAAATTAACCGGGCATGGTAGCA

Sequence 2499

GGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTAAATTTATACCNGTTTTTAAATTCC
TGTTTTCTTTTGTAGCTGTATGCAGGAGCTATTCTTGAAGTTTGTGGATGAAAATTGG
GAAGGTTCCTCAAGTCCAAGGTATATAAAATTTACTCCAGTAACTGTTCAAGTCATTTA
AATCAACATTTTATGTGAATCGTTTCACTATATATCCAGGAATAAGAATTTTAGG
ATTATACTTTCTTAACAATATATGCTTTTTTTCAATTTGTTTTCATGGAAGTGGTTGT
TAAAGTAATTGGTGAATGCTATGTTACTTTAAAAAACAATATATGAAATTTAGAGG
CCAGGCGTGGTGGGTCACACTCAGCTCATGCCTGTAATCCAGCACTTTGGGAGGCCAAG
GTGGGTGGATCTCGAACTCCTGACATCAGGTGATCCGCCTGCCTTGGCCTC

Sequence 2500

NAGTCCACCGCGGTGGCGGCCGAGGTACATTTGCACAATGTNGAAAACAAGATGACAC
GAGCCTGTTCACTTCTCCACATGCCTGTCCATCTNCCCCTGCCCTATCAACATGTCTTG
AAGGTGTGGCCACTGACCGTTTGCATCACCTTTCTGTCTACGTAGCACCTGTCAGTGACC
CCTGACCCAGAGCACCTGCCCTTAGCCTTGAGAAGCCTGTATTTCCCTGCTGGGCTCA
CCTCTGGGAGGTAGCATTCCCATTTGTCTTCACTGGGATGGCACTCTACAAGGTAA
AAAGTGGGGCCACACCAANCANTTAGCCAAAAGAACCCTTGTAGGGGAAAGGAACAAG
GATTGCCTGGAGTTTAGTTTTNNTGGATTTTCNTTTTGCTTTCACCATGTTTTGGAAGA
AATGGGGAATGAAGGNTGCAATGGTGCTTAGGGTTTGGAGTNTTGGGNATGGGGATA
AGGGGGGTCCCTTTACTTCTTTAAGAAGGGCAGCCAGGGGGGTTTGTNAAGGGGTTAAC
CAAGAAGAATTCAAGTNGTGGGGGCCCAAGGGGAAAGGGGGGAAGCCTTGAAAAACA

Table 2

ACCAGACTGGGGTCTCANNGAAAGGGANGGGTNGGGAAGGGGCCAAAAAGGGGAAAAAG
GACGGGGGGGAATGGGGTC

Sequence 2501

AGGTACACCGCCGAGTCCCATTCTCACCTTTCACACCCCCATCCTCACACAAGTAACCC
GGGTGTCTGACACGTTACTTAGGTTTTAATCCGCGCTGAGACAATCTCACAGAGACCCCT
ACTTCACCTCTCAGTAACCTTGCACTTCTCAGCTCTGCTGTGTGTGTGTGTATGTGTGTGT
GTGTGCGCGCGCGCGCGCGCGCGCGCTGTGCCGTGTTGGGGGAGTGTGATGTGGGGGAATCAG
TTAATTTGGTGATTGCAATGAAAATTCGACACCGCTAGATGTATTTCCCTGCCAATCTG
TGTGTGCTGGCCCCGGCCGCTCTAGAACTA

Sequence 2502

CGAGGTACACGGGAGGCTCGTGCTAAGCTAGCGCCGTCGTCGCTCTCCCTTCAGTCGCCAT
CATGATTATCTACCGGGACCTCATCAGCCACGATGAGATGTTCTCCGACATCTACAAGAT
CCGGGAGGTGCGCGACGGGTTGTGCTGGAGGTGGAGGGGAAGATGGTCAGTAGGACAGA
AGGTAACATTGATGACTCGCTCATTGGTGGAATGCCTCCGCTGAAGGCCCGGAGGGGCC
GAAGGTACCTGCCCGGGCGCGCCGCGCCTCTAGAACTAGTGGGATCCCCCGGGGCTGG
CAAGGGAATTTCCGATATTCAAAGCTTAATCCGATACCCGTCGACCCCTTCNAGGGGGGG
GGGGCCCCCGGTACCCAAGCCTTTTTGTTTCCCTTTTAGTTGAAGGGGTTAATTGGCGC
CGCTTGGCGTAATCAATTGGGTCCATAAGCTTGTTCCTGTGGTGAAAATTGTTTATCC
CGCTCAACAAATTNCACCACAAACATTACCGNAGCCCCGGGGGAAGCATTAAAGGTGTA
AAGCCCTGGGGGGTGCCCTTAATGGAAGTTGGAGCCTAACTCAACATTTAAATTGGCG
TTTTGGCGCTTCAACTTGCCCCGCTTTTTCCAANT

Sequence 2503

CCACCGCGGTGGCGGGCCGAGGTACCAGCCAGTGCTGGAAGGAGCTCACCCCTGGGAGGTCT
CGTCAGNCTCTGTCTTCATGGCTGNCCCTTGTGTCCCATGTGGAGAGCCCTTCCTCCCT
TTCCACATGGTAAGCACTGAGCCCAATTTCTCTNACCCACAGATGGNCCCTCAGAGCA
GAGATGTCTAATGAAAGGTTTCANGATTACAGTCACTAACTTTCCATCTTCCACTTTTTCC
AGTGGTGGCCATGTTCCCCCGTTTGCCTTCAAAAAACCTTGGGGAATAATACAAGCCAT
TATGGA CTCTGATTTACAGTTTANGAAGATGAGCANAAGGTGGGGTGTGGAGTTGCCAG
TGCATGTTGCTTAGNTTGTGAAAGAAAAGTAGGGATTTGTTCTCAANGNCTTTGGGG
CCTCCTGGGCCCATTANGACCCAGTGGGGCTTCTGGTGGTTTCTTGAATTGGGGGGTAA
TNTGGGGGGG

Sequence 2504

CTCCACCGCGGTGGCGGGCCGAGGTACGCGGGAACTATGTTAAAAAGTAACCAAAGAGT
CATTCCTGGTATTTGATTATGACACTTCTGAAGCTAGAAGGGACCTCAGACCACCTGCTC
CAATCCCTGCTGCCTAAGGTTTTGGGGGCTGAGGGCTGGAAACCCAGGGGCTGCATCTCC
CAGGCTCTTGGCCTCATAATCGCCTTCTGTGAGACTGAGGGCAATTAAGATATGAATGAC
ATGAACTCGCTTCTCTCATATCAACATAAACCAGAAGAGGCATACATCTGTGGGATAGT
CAATACATAACATCCTATCTTTATATGGCCATATGAGAAGATAACTTCAGTGTCCTATG
ATGGTAAGTCTTGAATGTGAGGGCAANATGGCTGTGATAGCCATGACTCCCCGCTTTCG
CTGGTTGGACAGAACCCCTNC

Sequence 2505

AATTGGGCTCCACCGCGGTGGCGGGCCGAGGTACCGGTTGCTTGTGGAACAAACTCCTCA
ATTTTTAAACTTTTTTAAAAAATAACATACATAGGTATTCATTTACTTTAAAA
ATTCTAAAGATGAAGAAAATTATTGTTTATATATTTAAGTCCTTGTATAAATTACAAAC
TCAAGTTTATGTTACAGAGTCCCTTCCCCATAGGAAGCATAAAGCACTTTTGTGGTACCG
CCGGGAGTCAGAAAGGAGACTCTGCCTCCCTCCTCACTGAGGTGCCTCATCCTACNC
GGGTGTCCCTTTGCCACCCTGCCTGGGGACATNCGCTGGGAACCTGCACCCATGCCAGGG
ATCAATGGGGACCGAGGCGAAGAGGGGCACCCCTCCCTTCCCTCCCCATGTGGATAAAATG
GGTCCCAGGGCTGATTCAAANGAACCTCTNGACTGCAAGAACTGCCCGCTCTCAGTGGGA

Table 2

CAGGGCCATCTTGTNTATCCTGAGACCT

Sequence 2506

CCGGGCAGGTACCTCTAAGGGCCCAAGTCAGCAGAACTGTTTCCCAACTGCCGGTGGGCT
GGCCTTGCAGGGAAGGCTGTCAAAAGATGGCCAAGTCAGGCACAAGCCTTACCTCCCTG
AGAGCCTGCTCCCACCTTCTCTCTGGCCTTCAGCTTTTCTTAAGTGAAGCTACCCTTGA
CCTTTGTGTAAATTAACCAAGAGTGGTCTAGAAATGGGTCTCAGGATGTCCTGTGAA
GGCTTTGACTTTTGGCCCTTACAGTTCTAGTTTTGCAGAAATGAAAATGCTCTGGTGAC
TACAGCAGGTCAATTATTGGAGCCAAGAGTAGTATTGTAAAGTTGGAGGGTCTTAGAAGG
TCAGGAAAGAAATGAGTGGTCCATGGAAGTGTCCCTTAAATGATAACAGCCAAAAGCACA
GCCACCTATGGAATATTCCCTTGTTTTCTGGACTGGTAGAAA

Sequence 2507

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGTTTGGTGCAGTGCCACACAGG
AGGCCACCAACAGAGCCAGAGTAGTAAGTTGCTTCACTCTTAACCTCTCAAGTGA
TGACACCAAGGTGAGAACTTCTTTCACTAAAAGGCTTAATCTTTTAAATAACTGAACCAG
AAAGTCGTTTCTAACAAGAATACAGATAAACATTACAAAGAACAAAGAAAAGATATGTTT
AAAATCTGTCAGGTTCCAACAAGGGTTACTTTTTCCCTGAAGAGAGAAGATGAACCATG
CCTAGAAGTAATGTGTAGCTGACTGTCCCGTGGTTCTATGTCTGAGTAACACAGTCTCAT
CTCTCATGTGTATGTGTGCATATATACATGTATATGACTATAGTGGTATCAGCAATCATG
TATATTTCAAGCTTAAATATGATGAAATTGTTAAAGGACTATAGTCCTAATTAATACTA
ATACAGAATATACCTAAT

Sequence 2508

GACTATGCCCGGGGCCAGCAAACAGGTCTGCAATGACATCGATGAATGCAACGATGGCAAC
AATGGTGGCTGTGACCCAACTCCATCTGCACCAACACTGTGGGCTCTTCAAGTGTGGT
CCCTGCCGCTGGGTTTCTGGGCTGGGAATGGGAACGTGTGTGGGACTGACACAGACAT
CGATGGCTACCCAGACCAAGCNCTGNCCTGCATGGACAACAACAACTGCAAACAGGA
CAACTGCCTTTTGACACCCAACTCTGGGCAGGAAGATGCTGATANTGATGGTGTGGGGGA
CCAGTGNGATGATGATGCTGATGGGGATGGGATCAAGAATGTTNAGGACAACCTGCCGGCT
GTTCCCAACAAGACCAGNAGAACTCAGATACAGATTCAATTTNGTGATGCCCTGTGACA
ATTGCCCC

Sequence 2509

AGGTACGCGGGGGGTGGGGCCTTTGTCTCTGGCGGCAGCCGGAGCTTCTGGTGTAGTCTT
CACTGCTCTGTGCTTCTGCTCCTAGAGGCCAGCTTCTGTGGCCTCGTTACCTGCAGGT
ATTGGGAGATCCACAGCTAAGACGCCAGGACCCACTGGAAGCCTAGAAATGTTGCAGGAA
TTGTGCCCTGGATCCATCCATCCAGTCAGCTGAAACCAGCAGCCCAGGACAAGTGGGCCA
GCCAACAGGACCTAGACCATGCAACCCAGCTGATCCTACGATGGAACCAAGGTGCCAGTG
AGATGACAACAGCCCTGCTCTGGTCACTCCGGAAGCTGACCAGTCCACGCACGGCTGAAG
CTTGAGGAGACAACAGCCCTGCTCTAGTCACCCAGAAAGCTGACTAGTCTATGCA

Sequence 2510

AGGTACATTTGGAGCTTTATTTCCACTGGCAATGCAGAAACACCCAGCAAAAATGTGAGA
GGAGTTGGTGGGGCTTCTAAGAGGACAAGAAGTGGAACCTGGCAGGAGATCCATGGGAG
CTCCTGGGACTAGAGTTCTGGGAAGTTGAAAGAAATTCTCANAAAGAGATATGTAATTC
CAGACTGGGAGAGGAGCCCTCCCTGCAATTTTTTTTGTGGGGAGGAGAAGGGCATGGCTC
ACGTGTTGTCTGAGCTTTGTTGGCCCCCACTGCAGGCAGAGAACCAGNANCAGGGTGG
CAGGGCTGGCCCTGAACAGGAGCTGGAGCAAGCCGCATGCTGGAGAAAACAGAAGGCAAT
GTGTCCAGAGAAGTGGACCCCGCGTACCTGCCCG

Sequence 2511

CCGGGCAGGTACTGCCAGGATATAAACCTAATCCAACCATAGAGGTTAGACCCTATGATT
GAGGCTTGGGAGAGTTAAATAACATTGGGTTTTTGAAGCTCTAACTTCAAAATCTCTGA
CCCATGTTAAGAAAGCAAATTTCTTGAATGTCCTTGATTAGCTAGCAATATGTGGATTAA

Table 2

TCACCTTAGGAAGAATTCGTTAACGGTGACCTGGCCATTTGTTTTTGAAGTGATCTTTG
CTGTGTGGATGCAGCACTGTTATGGTGTTCAGTTGCCATTCTAACCCAAATTAGGTCTT
TACCTCAGTCAGTAAGCTAGCTGGCCATGTCAGGATTGGTGAAGTTCAAAAATTAGTCTT
CATAATGTTAAAAGCCACAATTCATCATGAACATAAGACAGCTATTGATACCTACCTATG
TATCAAGTTACACATCTGCAATTTTTTTTTTTGATGGAGTCTTGCTCTGGTGCCCAAGC
TGGAGTGCAATGGTGCAATCTTGTCTCCTGCAAACTCTGGCTTCAGATCAAGCCANTT
TTCTGGCTTCANCTTCCAAGTAGCTGGNACTCCAGGCGCATGTTANCCCCCCCCGGGTAA
TTTTTGGAT

Sequence 2512

CCGGGCAGGTACTGACAGGATATAAACCTAATCCAACCATAGAAGTTAGACCCTATGATT
GAGGCTTGGGAGAGTTAAATAACATTGGGTTTTGAAGCTCTAAACTTCAAAATCTCTGAC
CCATGTTAAGAAAGCAAATTTCTTGAATGTCTTGATTAGCTAGCAATATGTGGATTAAT
CACTTAGGAAGAATTCGTTAACAGTGACCTGGCCATTTGTTTTTGAAGTGATCTTTGC
TGTGTGGATGCAGCACTGTTATGGTGTCCAGTTGCCATTCTAACCCAAATTAGGTCTTT
ACCTCAGTCAGTTAGCTAGCTGGCCATGTCAGGATTGGTGAAGTTCAAAAATTAGTCTTC
ATAATGTTAAAAGCCACAATTCATCATGAACATAAGACAGCTATTGATACCTACCTATGT
ATCAAGTTACACATCTGCAATTTTTTTTTTTTGTATGGGAGTCTTGCTCTGTTGCCAN
ACTGGAGTGCCAATGGTGCAATCTCTGCTCCCCGCAAACTCTGCCTCCAGATTCAAGCAA
TTCTTCTGNCTCACCTCCAAGTAGCTGGGACTACAGGCGCATGTCACCCCNCCGGCTAAT
TTTG

Sequence 2513

CGGCCGCCCCGGGCAGGTACACTGGGTGATGAGGGCATCAGGTAATGCCCACTAAGGCCTC
AGTGCACTGCCCATCAGGAGGGATGGGAGCTGCAGACCAACGTTACTGACTTGACGCAGA
CACAAAGCAAAAGTGGAGGACGGTGGAGGAAGAAGTAGCCCAAGGGAGGCGCGGCCAGAC
CACTGCCTGAGACTCGTACCT

Sequence 2514

AGGTACATTCCACAAAATGAGGATGAACTGGAGCTGAAAGTGGGAGATATTATTGATATT
AATGAAGAGGTAAGGAAAAAATGTGTTACAAGTAAACAGTAATGGTAATTGATGCTATG
GATTTTAGAAAAATTAATTGTAAGAATATTAGTCTTTTGTGAGAACTGTTGCACTTTT
AAAAAAATGGTATAGAGTTTCTTTACTCATCCTTGTTGTATTTATATATGATTTGTAT
TTCCTGCCTTTAGGAATAAAAATGCCCCCTTAAAGCTAAAAATTAATGAAATCTAAGTAG
TTAAGAACGTAAACAAGCCTTTTCTTTGATTCTGAATTTACCATAGGCACAAAAGCAGTGA
AATAGAAGGAATTTTGCCTTANAAGGAATACAAAGCAAAATCTTTTAAACGCTTTGCCT
TGTTTGAATTATCACATTCAAATATTAATAAAAATACTTTCCTATATTTTGATATCTTAN
AATGGGGATTTTAAAATATTTTA

Sequence 2515

AGGTACCAGTAGCAATGAGCACGAAGGGGACATTGGTGGCCTTCTCATTTAAAAGAGAAA
AGTAATTCTCCAGGCTCACCTTGCCCCAAATGCCAACTGCAAGAAGGATAACGCCAGTGA
TCCAGAAAAATAAAGTGTAGATTAGCAGAACGCTCTTGAAACAAGTAATGACTGGTTTAG
TCTGCAGTCTCCGAGACGGGGACGCCATGACTAGCCCGAGACCCTGCACCACCGCCCCCG
CGTACGCGGGAAGTTTTATGTCTTGTGCTTTTTCTCCCTTAAAATATCTGTTTTCTCT
TTCTTTGCCTCTGTAAATGTATTCTAATGGACAGTAATATTTGATTATTTTATTACTCAA
ATCAGGTTCTACCTTAGTGTCACCAGTTATGGAATATCTCATTTTGTGGTTTTTGATGTG
AAAAAGAGGCAAAAAAGACACACACACATGCACACACACACATATACCACAACCTCTTG
TACCTGCCCCGGCGGCGCTCTAGAACTANGTGGATCCCCCGGCCTGCANGAAATCNAAT
ATCNANCTTATCGATNCCGGTGAACCTTCNANNGGGGGGGCCCGGTACCCCCACCTTT

Sequence 2516

AGGTACGCGGGGGGTGGGGCCTTTGTCTCTGGCGGCAGCCGGAGCTTCTGGTGTAGTCTT
CACTGCTCTGTGCTTCTGCTCCTAGAGGCCAGCTTCTGTGGCCTCGTTACCTGCAGGT

Table 2

ATTGGGAGATCCACAGCTAAGACGCCAGGACCCACTGGAAGCCTAGAAATGTTGCAGGAA
TTGTGCCTTGGATCCATCCATCCAGTCAGCTGAAACCAGCAGCCCAGGACAAGTGGGCCA
GCCAACAGGACCTAGACCATGCAACCCAGCTGATCCTACGATGGAACCAAGGTGCCAGTG
AGATGACAACAGCCCTGCTCTGGTCACTCCGGAAGCTGACCAGTCCACGCACGGCTGAAG
CTTGAGGAGACAACAGCCCTGCTCTAGTCACCCAGAAAGCTGACTAGTCTATGCA

Sequence 2517

CTGATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGCGCAGGTACGCGGGCTGGCCTCTAA
TGGAGTCACTATGACAAGAGCAGCCCTGCCTCTGGGGGGCTCACAGTCACTGGAAGAC
ACTAGAATCCTGTTCTAGAGCCTGGGTGAGGAAGTCTTGGGATTCCCCTGGGAAATGGAA
AACTGTGCAGCAGGACCCCTATGTTGCTTCCCTCTGACCTGCAGCAGAGACGTGAGGGTG
ATTTCAATCAGAAATCTCTCAGTTCCTACCCTGAACGTCATGGCCAAATGAAATTTAG
AAGAGATTTTATCACAGTCTCAGATATGGAGATCTGCTTTTTCTGCCAGCTTTCTT
ATACATTCAGTCTTCAGGTGTGAGGATTCGGTTCATTCTAAGCATATGATGTGGTGATG
TAGGTCTTTGCTCACAGAAAGATCCATTTAGGGCAGATAATTTCC

Sequence 2518

AGGTACATTGTGATGGCTGTACTAACTAATCGTGTATTTATGGAAGTAGCAAAATTAG
GTTAGTCACACAGGCAGGAAAGGTGTCTGGAAGGACAGGAGCAACCTGTAATGCCAATAT
TGGTTTTCTTGGTATACTCAGGCTCTGTGGTCATATTGAGAACAACGGATGGAGAAAGGT
ACGCGGGGACCACTTCTCTGGGACACATTGCCCTTCTGTTTTCTCCAGCATGCGCTTGCTC
CAGCTCCTGTTTCAGGGCCAGCCCTGCCACCCTGCTCCTGGTTCTCTGCCTGCAGTTGGGG
GCCAACAAAGCTCAGGACAACACTCGGAAGATCATAATAAGAATTTTGACATTCCCAAG
TCAGTACCTGCCCG

Sequence 2519

CTAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACANGCTGCATGTGCCTTTGGGGGGCT
AAGTAAGGACTGGCCTATCTGAGCACACCTTCAGGGACATTTATATGCCCTGTCCACCG
TCACCAGTGATAACATCAAGGGCCTGAACAGAGGACCATCCCAGCTGCTGGCACCTGTAT
ATGTTATTCATGAACCTAGAGACTGACCCACTTAGAACTGTGAGGGCCCTCACGTGACAT
CCAAGGGCCTGACGATAGATGTGCCTCGCCCTCAGCTACCACCTCCAGACACTGTTGGAG
TCTAGGCATTGGCTGGCCATACCTGCAGCTGCTGACACACACACACACACACACACAC
ACCTTTCAGGGGCTCAATAATGGACCTACCTTGCCCTGCCACTGGCACCTGTGGGCACCTC
CCAG

Sequence 2520

NNNNNNNATNNANNNGNCTGAACGANNTNGANNTCNNGCTNNTGNANANCNNANNCCCTCT
ATGGGNGGCCNCGGCACCNAACTTNTTNNCGATNNACNGNGGNTAAATCNCCCTCTNGTN
GAANNNATNNATATNCNTGATAATTGTGCAGGCCTATTTATCACACTCCTCCTGGCTGCC
TTCAGCACAAATGGTAGCGCTGCTCACAGAACTCCTGGATCCGGCTGCACGCTTCCAGCAT
CATCACCTCGGGGACTGTGATGACCACTCGGATGAAATTCGGGTACCT

Sequence 2521

CCGGGCAGGTACNCGGGGGGGTGCAGGGCAGTCAGACTGGAACCATGGANCTCAGCGTNC
TCCTCTTCCTTGCCTCCTNACAGGCCTCTTGCTACTNCTGGTTCATCGTCACCCTAACT
CCCATGGCACCCCTNCCACCANGGCCCNCCCTCTGCCCTTTTGGGGAACCTTNTGCAAA
TGGACAGAAGAGGCCTACTCAAATCCTTTCTGAGGGAGTGATNTNATTGCCGNCAATCA
ATAATACCTTTGACCAAGGGACTCCAATCAATTCATCATGCTTTGCCTAATGCCTTTTGT
TTGTAATACTGTTGCGGGACAATCNAAGACTGGAGAGAGCAAAAAA

Sequence 2522

NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGTGCAAGCTGATGGCTCACAGCAG
GTGGGGCACACACTCGGTGGCCTTGTGAGTCTGGTCTGTAAGATAAAAGGTAATGTTTAC
GTTCCCAAATAATTCATAATAAACAGGGTATATTTTAAACATCTTTTTTGAATGTCTCTT
TCCAACAAAAGACATTTTCTCATCTATTGTTTAAATTAATTCACAGGCTCTGCTTTG

Table 2

ACCTGAAGTATTTTATCTATCCTCAGTCTCAGGACACTGTTGATGGAATTAAGGTATAAT
GTGTTAAAGTCTGTGTGGCTTTCTCTTGTCTTACTTTGGGGGAAAGGATGCCAGGAACATG
TATAGTGTCTCAATGCTAATACTCTATGATGGATTAAGTCAAAGCATCGGGAGATGACTC
ATATTATCTTAACATGCTTTCTTTTATTGAAAGTGGAAGGC

Sequence 2523

CCGGGCAGGTACGCTGTATGGTGTGTAAATGATATCTCAATAGAGTTGTTATTTTTTTAA
GGATTCCATGGGTATTTCTGCTGATTCANAACCACTGCCCCACACTACCTAACTGTGGA
ACAGAACTCCTGAAGAGTGGCAGAGAGTCACTCCTCTTTGAACCGTGAGAGACACAA
ATACCATGGGAATAAAGAGTGGGTAGATTACAAGACAACCTCTCAATCTAACTGAAGT
CAACAGATGGGGTTTGAT

Sequence 2524

CCGGGCAGGTACCACTGATACCTGCTGCTTCTTTCTGGCATCAGGGTGACTCCAAA
TCTTCTAGCAGCACATTCCCAGGAAGCAGGCTATCACTATCTATAGTGCCAGAGCTTTTA
GAGCTAACAATCAGTCCCCGCACTTTGAGCTTTTGGACATTGTGAATGGCTCAGTAACT
CCTGCTCGTGCTCCCTGGGAAGGCATGTATTAATGGCTTTCTCTTCTCCATCCACAGGCT
TTGTGGACATGTGTGTGCAGCATATCCCTTCTCCAAAGGTGGGCGCCAAGCCCAAGATTG
AGCACACCTACACCGGTGGTGTGGACTCCGACCTCGGCGAGGCTATGAGTGACTGTGACC
CTGATGTAAGGGCATGTGGCTCCCCGGTTCTCTGGTCTTTTTTCCCCTTCTGTGTGGG
GATACTGATTTCTGGTCACAGGAGTAATGCCCACTTTCCACCCCTTGCCTCCCATCCCCA
TGAGCACAGTCAGGCCTGAATGCAAAACCTGATGTTGCCACCGCTTAGTGCTATTACCTT
NGGGAACATTACTACAATTTCTGAGCCTCAAAGGCCTTTGGGTCTATTAACACGNAGC
CTTAATTAATAAATGTNGAGCCGGGTGTTTTTGAAGATTTTAAATA

Sequence 2525

TCCCCGCGGTGGCGGCCGCCCGGGCAGGTACATACTTTTGACAGGCACTGAGTGGCACTG
TGCCCTGCCACTGTTGCACCAGCAATATCCACCCGGTTGCTTCTGAGCACAGGGCGCAG
CCATGACTGATGTTGCTGGTATATCATCTGCGTTTTTTCATCTCTGCAGATCACTATGAG
AAAAGACAGGCCAGCCTCATCAGAGTACTCAAAATGAAATGCCTCACTACCCCTTGCA
CCTACTGAGAAAACCTCCCTCACTTGCTTTCTATAGACTCCATTGCATACTCCCTTATTGA
AGAGACACAACCTGGAAAGACAACAAGATAATGAATACTGGCCAAACACCGGTGACTGATG
CTGGTNATCCCAGCACTTTGGGTGGGCCCAGGTGGGGTGAATCACCTGGANNCTCAGGAG
GTNCGAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACCAAAAATACAAAATGA
GCCAGGCATGGNGGCAGGTGCCTGTAATTTCCCACTACTTCAGGAGGCTGANGCAAGGAGT
TTGCTTTGAACCCAAGGAAAGTGGGGGTGCACTGAACCCNAAATTGTACCTTCGGCCC
GCTTCTNAGAACTAGGNGGGATCCCCCNNGGCCTGCAAGGGAATTCGATATCAAAGCCT
TATTCGNNNTCCCGNCGACCCTCGANGGGGGGGGGGCCCCCG

Sequence 2526

AGACACTCTACACTGTGAGTGTCCCCTGATATCCCTCCCACTCGGCCTGATCAGTGGTA
TCTGACCTCCAACACTCGCTGCAACAACCCGTTCTCTAGCTGAGTGGGCCTGGACTTTG
AACAGAATTAACAGCCTGGAAGTGGAGTTCTCAATCTCAACAGCCCCTTACCTCATGCAA
ATTTCTTTTGAAGTGAAGAAAGAAACAGAAATGCCACCTTTTAAACAACTTCTTCGAA
ACATGGGGGGAAAGTCAGGTTTTATATAAATCAGAGAGATAGAAATAAGGCCATAATAA
AAAACCTGAAATAGATTTGGGAAGTTTCCGAAACTTCCAAAACTAGTGGTCCAAAGTGG
GGCAANATTTTTGTGTGCATTGAAGAGGCCCTNCCTGTTTCCTTGGGCCATGCTGGTGT
CTTGCCCCGTCCAGGAACCCGGGGCT

Sequence 2527

AGGTACAAGTGAGAAAGACTAGAGAGAAAGATTTTAGTCTGTTTAGCAGAAGCCATTTTA
TCTGCGTGACATGGATCAATATTTCTGATCCCCTATACCCAGGAAGGGCAAAATCCCA
AAGAAATGTGTTAGCAAAATTTGGCTGATGCTATCATATTGCTATGGACATTGATCTTGTG
TTGCAATTTTTTAATAAGTAAAAAATTATGATTTTTACTTGATCTTAAGAGATCATGAAC

Table 2

CTATAAGTTATGATGAAATCTTGCTTGGAAGGGACACATTGGGAGAAAGACCTATTGAGG
GATGGTGAACACATATGGTATCTCTTGCTGCTGCGACAGGCTCATCACTCCACTTGC
CCTGAGCTGATTGGGAGAACAGGGACACANTTTTCTCGCTTGCCACCCGTTAGGCTGTGC
ACCGGTCCCAGTTTGAAGGAAAGGAGATAAGCGAANTCCCGTTGACCGTCNACCAAACCT
NGCCTTCCCGTGACCCATGTCATTTGGATGGCCCCAGCCCANAAANTCATTTGGACCNCC
TTGGCCAGGCTCCCTTTTACCCCATANGTCCTTTGGGAGGGGCGGNTNGGANTTCCGTCC
GGAAGTTTCTGGGGGGATAANCCAANGNAATTCCCTTCTTTTGGGAAAATGGCCAGNC
CTTTNATTTGGGCCCTCAATGGGAAAANGCTTTCNAAACCCCTTNTTNGNAACCAANGGT
ANCANTNTNTTGNNGAACTTTTNNNGGCCCTTCGAAAAANANACTNGTTTGCAGGGGG
CTTGGAAATTTCTTTTCNAGGGCATTTGACCTTTNGNCCCAGNNCTTTTTCNAANTTTG
GGNTTTTAANANNTTCCATCCTTCCNCCCCCCCCCCCCCCC

Sequence 2528

TCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCGCGGGATGTTTTACCTAGGTAAATTATC
CTGCTCATAACTTGTAACCTTTATCTGTTTTCTGTCTCCATTTCTTAATCATTAAAGGTCA
ATATGGATTCTTACTCTCTTCTTCAAATTGTAATATAATTGACAGGTTTAATAAATATAG
GTCAGGTTGAGGTTGAGTTGAGTGTGTGTGTGTATGCGTGGTGGCGGGCACCTGTAGT
CCCAGCTACTCGGGAGGCTGAGCCAGGAGAATGGCGTGAACCTGGGAGGCGGAGCTTGCA
GTGAGCGGAGATTGGGCCAGTGCCTCCAGCCTGGGCAACAGCGAAGACTCCATCTNAAA
AAAAAAGGAAATGTGTATCAAGAACATGATTATCCAGGGGTATTTTCTAATTCAGATCAT
CAAAGTATTATATAGAAGAGTTGGCTTTAAATGTTTGCAAATGTCTTTTTTTTTTTTA
ATACTGGGAAGAAAAAATATTTCTGGTTGGGGTCTCAATACCAGGTGCTTTAGGANGT
TCTTTCANAGGAGCTTTATTTAAAAAAGGATGAAAACCCCGGNTNGNAAAAAANAATA
TAAANATNTNTNAANNGGTTNCCCTTCNGNCCGCNTTTTAAAAAACTNAGGGGGNNTC
CCCCCGGGGCNNGCNNGGGAANTTCGGTTTTCAAAGCNTTNTNCGANACCNGNCCNC
CNCCAANGGGG

Sequence 2529

CCGGGCAGGTACAAGGGCACTCAGGTGTCTGGTGTGGACATTGACTATGCCCGGGCCAGC
AAACAGGTCTGCAATGACATCGATGAATGCAACGATGGCAACAATGGTGGCTGTGACCCA
AACTCCATCTGCACCAACACTGTGGGCTCTTTCAAGTGTGGTCCCTGCCGCCTGGGTTTC
CTGGGCTGGGAATGGGAACGTGTGTGGGACTGACACAGACATCGATGGCTACCCAGACCA
AGCACTGCCCTGCATGGACAACAACAACTGCAACAGGACAACCTGCCTTTTGACACC
CAACTCTGGGCAGGAAGATGCTGATAATGATGGTGTGGGGGACCAGTGTGATGATGATGC
TGATGGGGATGGGATCAAGAATGTTGAGGACAACCTGCCGGCTGTTCCCAACAAGACCA
GCAGAACTCAGATACAGATTCATTTGGTGTGCTGTGACAATTGGCCCCAACGTTTTCC
CAACAATTGACCAGAAAGGACACAAGATTGGCAAATGGGGGAAAGGAGATTCCTTGTTAC
AACNNACCNTTNGNATTGGGGATTGTCATCCCAANTGGGATTGGAACAAATTGCCCCC
TAAAAGGTCCCCC

Sequence 2530

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCGGGGGGACAACCTCGGTGG
TGGCCACTGCGCAGACCAGACTTCGCTCGTACGCGGGCTTTATAATTAATATAATGTTTC
TGATTAGTGTTATGATAGGCCTCATTTTATTAAAGTCTTTTATACTTTGGATGAAATTT
TAATAACTTTCTTCATAAATGTCTTGACATTTTCATAATAGGCTTATTCCTAGGTGTTTT
ATAGATTTTTAGTTTTGGTTGTGAGTCTTTTAACTTACATAAAAATATGGAGAATTAGCA
TATTCACATATCTATTTTGTGATGTTTATCATACGGAAGTTTTAAATATAGTAAATTC
GTCTTTCCATTTTTTTTTGTTTATTTAAGAACCATTCCCTAGCTAGGGNCATGAATACAT
TCTTATGAATTATTAATCCCATATGGATAGCTAGTTTCCCTAGCACCTTTAAAAAATAGT
NTTATTATTTNCCTCCTGATGTATAAGGCCACCTTTACCAATTTACATATAATGTACCTC
N

Sequence 2531

Table 2

ATGCTTCTGGGGTGA CTAGAGCAGGGCTGTTGTCTCCTCAAGCTTCAGCCGTGCGTGGAC
TGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCATCTCACTGGCACCTTGGTTCC
ATCGTAGGATCAGCTGGGTTGCATGGTCTAGGTCCTGTTGGCTGGCCCACTTGTCTGGG
CTGCTGGTTTCAGCTGACTGGATGGATCCAAGGCACAATTCCTGCAACATTTCTAGGCTT
CCAGTGGGTCCTGGCGTCTTAGCTGTGGATCTCCAATACCTGCAGGTAACGAGGCCACA
GAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGACTACACCAGAAGCTCCGG
CTGCCGCCAGAGACAAAGGCCCCACCCCCCGGTACCT

Sequence 2532

CCGGGCAGGTACAGATGTCCAGTAGACCTACTGGATATGCAGGCCTGCAGCTCGGGGGAG
AGCTGGGTTAAGAACCGTCAAGGCAGTAATCATCTGCATTTAGATGGCGAGTGAAGCCAT
GACAGGGGCTGAAATGGCCAGCAAGAATAAATCAAACCATGAGAAACACATACATTTAA
GAATAAGGAGATGTGGTCAGGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGG
CCGAGGCGGGTGGATCACCTGAGGTCAGTAGTTTGAGACCAGCCTGGGCAACCTAGTGAA
ATCCCGTCTCTGCTAAAAATACAGAACTTAGCTGGGTGTGGTGGTGCCTATAGTCC
CAGCTGCTTGGGAGGCTGAGGCACAAGAATCGCTTGAACCCGGGAGGTGGAAGCTGCAGT
GAGCCGAGATCACACCACCGCACTCCAGCCTGGGCAACAGAGAAAACACCTGTCTCAAAA
AAAATAATAATAAGGAGATGTCATGGGCTCGGGGGAGGGGGAAATGGGGAGCGCTGTTGT
TTGAATGGTATANTTTCAAGTTTTGGGACTGAGAACAAATCTGGGGANGATGAATGGTGG
TGATGGCTGCACAANCAATGTGAGGGCACTTTNTGCCACTTGAAGTAACAGATCCTTTC
AAAAATAAGCCCGNTCCGCGTACCTTGGGCCCGTTCTAANAAC TAGTTGGATCCCCCGGG
CTTGCNAGGAATTCGANTTTCAAACCTANTCCGATTNCCGGNCGANCCTTNAGGGGGGG
GG

Sequence 2533

AGGTACGCGGGAGGCTCGGTGGGCGCGGGCGGCGAGATATGCCACACTTCTGCCTGCTGT
TGGCAACCCTCCTGGACTAGGCTGCTCTTGTTAATCACATGGATGTTGTGAGTATTATAT
TCACAAGTGGATGTAGAGAAGATATTTTTATTTAACTATAAATGCTTACCACATGAGCTA
CTCATGCTTCGCAAAAATATATTAACATTTGTGATCTGGAGTTTCATTAATCTCAGGGA
TTATGCTGCTTGTTTCATTGGTTAAATAATGTGGTTTCAGTATCTTCCCCTAATCATATTA
ACTTTTTATGAAAGAAGCTTTTGACACAAAGCTGTGTCTCAGAATGTTTTGATGTAAAGGT
AGCTGCTGATCTTAATTTGCAATTGTGGATTCATTTTCATCTTGTATGCTTTTATGTTATA
GGTTCCTTAAGGTTGCCAGCATGAAAGTGCTTCAGATGGCTTTGAGTCCTAATCTTGTGG
TTCTGTTCACTGAAGATAAGCCAGCAATTTTTTGGATTATTTTATTTT

Sequence 2534

ACGCGGGGAGGCTCCTGGGGTGGAGTCCAAATCACTCATTGTTTGTGAAAGCTGAGCTCA
CAGCAAAACAAGCCACCATGAAGCTGTCCGTGTGTCTCCTGCTGGTCACGCTGGCCCTCT
GCTGCTACCAGGCCAATGCCGAGTTCTGCCAGCTCTTGTTTCTGAGCTGTTANACTTCT
TCTTCATTAGTGAACCTCTGTTCAAGTTAAAGTCTTGCCAAATTTTGATGCCCCCTCCGGA
AGCTGTTGCAAGCCAAGTTAGGAGTGGAAGAGATGCACCGGGATCAANATGTTCCCTTCA
NNAACCGAAGCCTCATTTNCGGAAAGTTCCCTGGTTGAAAAATATTTGAAAGAAAATGT
AGGTGGTGTGACAATGTTAAAAAACTTTTCCATCCTGGGTTTTCCACTGGTCTTTTTCA
ATGGACACCCCTTGAATNCTTTTCACTTGCCANAAATGGTAAAAGGGGTTTTCAAACCGT
TCTTTGGCTTTTAAATAAAAAATCAACTTTNNCTTCTTGGCCCNAAAAAATAANNTNTC
NNTGNGACNCAACAAAAAAAGGTTCCCTTGGCCCCGGGGCCGGGCNCGGCTTTTTTAA
NAACTTANGTGGGGGATTCCCCCCCCGGGGCTTGNCAAGGGGAAATTTTNTTTATTTCC
AANGCTTTTATTNGGATTACCCGNTNGGACCCTTNTNNANGGGGGGGGG

Sequence 2535

CCGGGCAGGTACGCGGGGCGAGCATTCTTTACCCAGCTTCTGGGGGCTGCACCACTCC
AATCTCTGCTCCCTGGTCACATTGCCTCCTCTTCTGTGTGTCAAGTCTCCCTCTGACTCA
CTCTTAAAGAACATTTGTGAGGCCAGGCACAGTGGCTCACGCCTGTGGTCCCAGCAGTT

Table 2

TGGGAGGCCNAGGAGGGCGAAATAACTTGAGGTCAGGAGTTTGAGNACCAGCCTGGCCAA
CATCCTGAAACCCCATCTTNTACTAAAAATTACACNCACACACTACACCACNACCACACA
ACTACACGNNAAGTTAAACCTGGCCGTGGGTTGGCAAGGCACCACTTNAATCCCANACACC
TTGGGGAGGCCTGGAGGGCATGGAGAAATTTGCTTTGAGCCGGGGGAGGCAAGAAGGGTT
GCAGTTGACCAGTAGGATTGTGCCCACTGGCANTTCTGGGCCTGGGGGCAAACCCAGAAGC
GGAGACCCCGNTTTTCAAAAAAAAAAAAAAAAAAAAAATTTCTTTAATTTTC

Sequence 2536

GCGGGAGGCTGACGAGAGCCGGGAGGCGTTAGCGAAGGANGAGAAAAANCAGACGAAG
CCACTACAGCGTCNCAGCGCGGCGGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCCCG
CGTACCT

Sequence 2537

CGAGGTACAAAGGGTGCCGTTTCTTACAATTTTAGTGTCATTAGTGTTGGATTTTATAGAG
GTTAGATGTGACATATTGTTGTCTCCCCCACCCTATCCCGAGTTGGTGCTTCTGCTTTCA
TGTGACAGTAATAATTCTGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGG
AGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCCTGTCTCTACTAAAAATACAAAAATT
AAGCCGGGGCATGGTGGCTCACGCCCTGTAGTCCCCAACTGCTTTGGGGGAGGTTGAGGGC
CAAGNAGAATNGGCTTGAACCCCAAGGAGGNTGGGAGGGTTTGAAGTTTGAAGCCCG
AANTATCCGCTGCCCCANTTGCCACTTCCAANCCATTGGGGCCCGACCAGGAAGCNAANG
GAACTTCNCANTTCTTTCAAAAAATTTNAAAGGAAAAAGGAAAAAGGAAAAACCCAAAAAG
GAAAAANGGAAAAAGCCTTTATTNNTTTGGAACTTTTCTNTTAAANAAAAAAGNAA
AAAAAAAAAAGGNAAGGCNCTTNAATGGCNACCACCAAAAAATNTAAAAATTTTTN
GGCCNAAAGGTTCTGATTCNAAATTTAAAAANGGGGATAATTTTATTTTGGCCATTCAAC
CAAAAAATAAANTTTCTTTTAACTTCCCCCCCCCAAAAAATTTTAAATTAAANAAA
NGNTTTCAAAAATANGCAAACNTTTTTTCC

Sequence 2538

CCGGGCAGGTACCTTTTACTCATTTATAAGAAATGGAAATTCCTTACTGAATGAGTGA
ATGAATAAATGCATGCAATGGTGGTTGTCTTACACTTTATATAACACGTCTCTGGATTT
ACTAATAAAAAATGCTGTAGGCCTCTTCCAGCGGCTTTCCCTCATCCTGGTCTGCATTGC
AGGGGCTGTGGCTGCAGCCAACACTGAAGACTGCACGGCACCTGAGGAGACCAACATCTT
GTCTTTCAGAGACGAGGGTGATGTGATGAGTCACTTCTTGGTCTTTCCCTCTCTCTGCG
CATGTGGTGTGAGCCGTGGTGCTGCCAACCCGAAGACTGGACTTGCTACATACGTCAGC
AGTGGAAGAGAGCCGAGTTACCCCGAGTTACCAATGGCGAATCCCTATGGGTCCACAGCA
ACTTCAGTCTTGCCTCCTCAGAAGAAAGAAATTCNACTGAGGGGCGTTAAGGCAGAAAAA
GAGAGCAAGTTTCAGAGCCNNGAGTGGAAGTTTAGTTTAAAAAGGCTTTNGAACAGGGAA
AAGAAAAGCAAAATTTGCTTTGNAAGAAGACCCCAACCANGCGCTTNGAAGGTNCCA
TGAAGAAGAAAAAGGAGAGCCCCACGNAAGACAGGTAAAAAAGAGGGGGCT

Sequence 2539

AGGTACGCGGGGAGAGAAAAAGAGAGTAAGGGAGGAGGGAGGGATAGAGAAGGGAGTGAG
TTAGCAAAATGCCACACTGTAGTTGCAAACTGGCACAAAGGTGAATGCGGTTTCATGAGG
CTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAAGGCAACCTGCAGCGAAA
GCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGGATTGC
TTCTGCAACAAAANCCTCCACCCAGCCACTTCTTGGGAAAAGAAATGGCCACTTCTTGGGG
CACAGTCTTTTTTTCATGCTGGGTGGTATCCTGTGTTTTGTCAGCAGCTGTCNCCCACAGGA
ACCANCCANACTTGGTTTGAGGGTATCTTCTGTCTTCCATGTGCCCCATCAATGTCGGC
TTTTANAANTANTGGATCCCCCGGGTCTGCATGAATTCTGATATCAAGTCTTATTCGATA
CCGNCGACCTTNGAGGGGGGGGCC

Sequence 2540

ACTTTGCCAAGCAGTAAAGGATCCAGGAGATAGCACTGGATGTGGTGTGTCATGTCCTGCAA
ACATGAACGTTTTCACTTCAGCCTGGAGATCTGCTTCAGAGAAATCTTGGTGTTTTCGC

Table 2

TTTTGGCACTCAAAAGTATGTCCAGAAAATCCCAGCGCCTTTTCTGAGTAGTATCTTGTT
TTAGCTTATCCTTAAGAGACTCCTTCCGGNCCTGGATTACTTTCTCTGTGAAGTGGTGAA
GTTCTTGGTTAAATTTAAGAAAAGATTTGGCCTTGAGAGCTGAATTTGAAAACAGGTGCG
TTGTGATGTAGAAAATTGTCATGCGCTGGTTGGAGATTTTGCTAAGGTTGAACACTGCT
TTCAGGTATGAGTCCAGGGTACCTCGGCCGCTCTAGT

Sequence 2541

ACACGCCTGCAGAACCATGAGCCAAATAAACCTCTTTTCTTTATAAATTACCCAGCCTCA
GGTGTCTTCTTTATAGCAGTGCAAAAAACAAATGAACACAGTCCCATTGAGTATTTCAAAA
AGAATCATTTACCAGCCATTGTCTGCTCTGTGGGCCCAAGAGACTTTGTCCAGGTCACT
GCGTGTCTCCAAGTCCATTGCTTCCCGTAAAAATGTTACTATCCCTCAAATTGCCAC
ATTTCCCTCATCTCCAATTGCCTTATGAAAAAGGGTGTATAAACATTTCCATTGGGTTGC
TGGGCATTCACTCTCTGCAATTCCTCCCGTGCTATGCATGTTAGAATAAAATTTGTATGC
TTTTTTTCTTATTAATCTGTCTTTTGTGATTCACAAACCTNCAGAAAGTAAAGGGG
GAAGCTTTCCCTTGGTCCCTACAGATGAGGTGCTGTGAACAGGATAACCGAAACCACTCT
GCTCTTCTGGAANCCAGATTGAGGGAACCCAGACCTTNATATGCCAGCCAAAAGGGGA
GAAATCTTATCAGTCACCTCTTGGGTCACCTCTTTGNNGAAAACTGNTTAAGTAGGG
GNGGTAAAAAATAACNGGTCNTCATTTTTCCCTTTTTT

Sequence 2542

ACATTTTGTACGGAGTCCACAGAGCTGAGCTTTTGAGCAGACTCTGAGAAGTATCATTG
CTTGTTGTAAGAATAACAACAGGATTTAAGTTTCTTTAGAAATTGCACTGAAGAAAG
GCCGGGCGCGGTGGCTCCCCCTGTAATCCCAGCGCTTTGGGAGGCCGAGGCGGGGGGATC
ACGAGGTCAAGAGATCGAGACCATCTGGCCAACATGGTGAAACCCCGTCTCTAATAAAA
ATACAAAAATTAGCCGGGCATGGTGACGTGCACCTGTAGTCCCAGCTACTAGATAGGCTG
AGGCAGGAGAATTGCTTGAATCCGGGAGGCGGAGGTTGCAGTGAGCCGAGATCGTGCCAC
TGAATCCAACCTGCCAATAGAGCGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAGGAAAGA
AATAGCATTGAAGAAAATACCGCACATCAGAGGAAAGCTTATTTTCTGCATGGTGTCTTT
TCAAAGATAGAATATTTGAAGCATGTTTTCTAGCCATTGTGTGGATGAAGGTGAAGTGGC
TGAGGCATCGCTCAAGCTGGGGGGTGGTGTGTAAGAACACGTGGAGCCACAAGAAGCCC
TTNTATAGTCAAGCTAAAGCTTTCCCTTTTTTGCGCCAACTTTTT

Sequence 2543

TGCATAGACTACGTCAGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCCACAAGCTTC
AGCCGTGCGTGGACTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTCTCTCACT
GGCACCTTGGTTCCATCGTAGGATCAGCTGGGTGTCATGGTCTAGGTCTGTTGGCTGGT
CCACTTGTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCC
TGCAACATTTCTAGGCTTCCAGTGGGTCTGGCGTCTTAGCTGTGGATCTCCAATACCT
GCAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGA
CTACACCAGAAAGCTCCGGCTGCCGCCAGAGACAAAGGCCCGCCCCCGCGTACCT

Sequence 2544

CGCGGTGGCGGCCGCCGGGCAGGTACAATTACCCACCACTGGATTTGNCTCANANAGGA
CCCCAGAGGGNNAANCCATCTTCCCTATTTATNNNCCAGCCCTTGAGGGCTTCATTGT
AGATCAAAGTCAAGGCCCCAGGAAGGTGACATACTCCTGGAAGTTCACCTCCTGGTCTT
TGTTCCGGTCCAAGTCTTCCATCAGCCTTGCAATTTCAAGCATCCTGCAAGCTTCGNAGC
CAATGGTGAAGCTCCTTCTGGGATCAAGCTCCCTTTCAAGCTTCTTCTTTGCTTCAANG
GNTTGTGCTTGGTCCAACCCCTTCCCTTGGCCGGNAGTTACCAATTGGGGAACCCCT
TGAAAANAAGGGGGGCTTGGCCTTGTTTTTCCCGAAAAATTGGTTTTTCCCAATTTT
TCCAACCAAAGNGGCCGNCCCAACCCCTTGGCCTTTTGGCCCCNNGGGGGGTTGGGGT
CCCTTTTGAAGAAAAAGAACCCCCCCCAAAAAATNGGTTTTCAATTGCCCTTTCAAN
AAAAAAGNGGCCAGCCCATGNAAATTGGCCCTTTTTTTAANGGAAAAATTTCTTTTTT
TNAAGGTAAAAATTTTGGNAAAGGTNTAATTTNTAACNAACTTTTGGGTTAAAA

Table 2

NAAAAAA

Sequence 2545

ACAAGTAGTCAATTTCCAGGTGAAGACCCTGGTGGACTGCATTTGACTTGTCATGCCGCC
TAACATTCAAGGGCAGACCCCCAGAGAGCATTTCTGCAAGGGATTACACTCACCCGTTT
CTCGGACCCCTCCATTCTGCTGCCAGCTCAACCGCAGGTCCAAAGAAACGGAGTCACTCG
CACTACCCTACTTCCCCAGCGTAAGCAGTCTCAGGCCGAGGCCCCACCAGTGGGCATCCT
GAGTGCACCCCATGTCAACACAGGCTAGAGGGGAGTCAGGCAGAGAGCACACAGGACTG
CGGCCTGCAGCGGAGTTAAAGGGCTTCACCGAAGGGCTGCCATCCTTTAAGGGGGCCAGG
C

Sequence 2546

CGCGGTGGGCGGCCGCCCGGGCAGGTACTATCTTTCAACTTCTCCATATATCTATAACT
ATTCTAAAGTAAAGTTTATTAATTTCTAAACGAAGGTTACTCCCTAAAGAATACAATT
AAGATACGTAGCTTGTAATCAGGTGAAGAAGGAAAAAGTCGATTAAAAAATACTTAGTT
CAAGAGGGCAGGAAACCGGGCGTAGTGGCATGCACTTGTAAGTCCCAGCTGCTCACGGGGC
TAAGATGGAAGGATCACTTGAGACCAGGAGTTCAAGGCCAGCCTGGGCAAAATAGTGAGA
CCCTGTCTCTAAATTTAAACTTTTTTTTTTAAAGACAGGAGATAAGAAAAAGTTGTCTAT
GGGGGGAGAGGTTGATAAGCATTATATACAACACACAAAAAGAAAGTGGCAAAAACAA
GTTTGCATTTTAAGGATGCGGTATCTCCTGTCTGTTCCCTAATTTAA

Sequence 2547

AGGTACCGTGAATCTTTAAGTTTtagggTGTGGGGTTTTCCCTTACCAAATGCAATATT
ACCCATAGAGTAGAATAACCTGAGTTAAATAGCCTCTTTGAAAAACATTACATAANAGGCC
AAGTGGGTTATATGAATGGCTACTCTGTCTTGATTCTCAGTACNATGCNCAATTCAGTCC
ATGCCATTGATGGCCAGCACTGCATGACCCACTCGGATGCCGTCCCGCTGGCCNAAAGCA
ACCAACACACGCTCATCGTGTAGCTTGAGCAGCAGATCCAGCGGATAACTGAAAGTTTTCT
TCAGCCTCAGCCCGTGCGCGTAGCTGTCCAAGTGGTAAATCA

Sequence 2548

GCGGGAGGGCTGACGAGAGCCGGGAGGCGTTAGCGAAGGAAGAGAAAAACCGAAGACGAAG
CCACTACAGCGTCGCAGCCGCGGCGGCGTCTGCTTTATAGGAGAGGGCGCAGGCCCCC
GCGTACCT

Sequence 2549

CCGGGCAGGTACATACTTTGACAGGCACTGAGTGGCACTGTGCCCTGCCACTGTTGCAC
CAGCAATATTCACCCGGTTGCTTCTGAGCACAGGGCGCAGCCATGACTGATGTTGCTGG
TATATCATCTGCGTTTTTTCATCTCTGCAGATCACTATGAGAAAAGACAGGCCAGCCTCA
TCAGAGTATGACTCAAAATGAAATGCCTCACTACCCTTGACCTACTGAGAAAACTCCCT
CACTTGCTTTCTATAGACTCCATTGCATACTCCCTTATTGAAGAGACACAAGTGAAGAC
AACAAGATAATGAATACTGGCCAAACACGGTGACTGATGCTGGTAATCCAGCACTTTGG
ATGGCCGAGGTGGGTGAATCACCTGAGCTCAGGAGTTCGAGACCAGCCTGGCCAAATGG
TGAAACCCCATCTCTACCAAAAAATACAAAAATGAGCCAGGCATGGTGGCAGGTGCCTGTA
ATCCAGCTACTCAGGAGGCTGAGGCAGGAGTATTGCTTTGAACCCAGGAAAGTGGGGGT
TGCANGTGAGCCCGAGATTTGCTCTCGGCCCGCTCTAGAACCTAGTGGGATCCCCCGGG
GCTTGCAGGGAATTCGAATNTTCAAAGCTTTATCGATACCGTCCGACCCTCGAAGGGGG
GGG

Sequence 2550

CCGGGCAGGTACGCGGGGAGATATACTGAGTGAGCCCTGAGAAGCAGTCTCAGATCCTGA
CGGTGCAGCAGCCCGCAGCCTCAGCCAGGGAGTCCCAGCCGCTTCAATGGAGGAGAAGC
CCGGCCAAGTATCTCTTTTCTACAGCCTTATTAACTAACTACAAACATTTATTTCCAA
TTTAGTTTTACTTTTCAAGTGTGTTGTACCT

Sequence 2551

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAAGATGTAGC

Table 2

TGTGTAGTCTCCTTCCATAGCTGCTCTAAGGGGGCTGGCAACATGGCTCANCAGGCTTGC
CCCAGAGCCATGGCAAAGAATGGACTTGTAATTTGCATCCTGGTGATCACCTTACTCCTG
GACCAGACCACCAGCCACACATTTAGATTAAAAAGCCAGGAAGCACAGCAAACCGTCGAG
TGAGAGACAAGGATGGANATNTNGAAGACTCAAATTGAAAAGCTCTGGACAGAAGTCAAT
GCCTTGAAGGAAATTC

Sequence 2552

CCGGGCAGGTACGAGTGGAGGACAGGGACAGAGCCCTCTGTGGTGGAAACGACCCACCTC
GAGGAGCTTCTGAGCAGGTGGCAGAAGATGCGGTAAGATGGGCCTTGTGATGAGCTGTA
GGAGTGGAGTGGGAGCTGCTTGTCCCTCCCCACCCCAACAGCCCAACCAAGACCCAG
AGAGAAGAAGGGAGGATTTCTGTGAGAGTGACTGTAGGTAGAAGGGGCCAGGAGGCCCTA
CTCCTTTATTTTCTGAGTATAGGTGAGTGAGTGCCACAGAGGCTTTGCAAGGTGGTTCCG
CTTTGAACTCGGAACCTCCATCATGTGAGCTCTCTGAAGATGGGCCTTTCTTTGGGGTAGC
TTAGAGGGCCACTGCATTTGAACAGTGTGCTCTCTACAGAAGCAGCTGAGGCCTGTGGGAA
GGCAGCCCCACCCTCCTTTTTTAAATTAATTTATTTTGTAGACTGGGCCTTGCTCTGTTG
CGCANGCTGGAGTGCAGTGGCATGATCC

Sequence 2553

NCCCCCCCACCGCGGGGGCTGCCGAGGGACGATNNGNCCGNGTTGNAAAAGCNACCGGNC
AAAGAANAGNGNAGGGNGCNAAANGGGGGGGGCCNTAGGAGGCCGNNNCNCCGNGACA
NGGAAGGCNNNGNAGNGATGGACCCANACATGAAACAGANGAAGCAGCAAAGGCAACCT
CCCGNCAAAACNCGGACCGGGCANGNCAACGCNNGGGGGGAGAAGCNCTGGGCCGGGAAAA
NGAAAGGCAGAAAGGACAGGNGGGCCGGGAAGCCACAGACATGNCANAAAAANAAAA
AACCCCAACCGAGCCAATNGGNGGACAACAAAGAGGGAGAAACCAAAACCAACAAAA
CATGGATNCCCCNGGCCAANGGGNGACCCNACNGGGGATNNGGAAAAACNGCCNAANAGG
ANNCCNGGAAGGNANCCAGGCAAAAGAAAAAAGCCCCGGGACTCGGGCAAAAAANA
AANNCGNAAAAGGNCCCGAAAGCAAANGGGGCNTNCCNAANCCAAAGNAGGGNNGANGAA
AAAAAGGNCNNNNNTNNAANAAAAAACCNACGGGACCCNNGGGGGGGCCCCCAAAAAANAAAG
NAGANNNGGNGGGGNNNAANNNNAAAAAAGGGGGGGGNGGGNAAAAANCNAAACNNAA
NNAACCCNAAGAAANNAAGGGGGGGGCAGNNCCANACNAAAAAAGAAAAAANACGN
NAANANGCGNNGAACCCGNGNNAANNAANAAAAAAGAAAAAGANNAGNGNNNNNNNA
NAGGGGNAAANAGNGGNAAAAAANCNCNCAANNGGNGGGNAAAAAANNGNGGGGA
AAAAANNGACNAAAAAAGGGNAAANNNNAAAAAANAAAAAANAAAAAANAGA
GGGACAAAAA

Sequence 2554

GCATATATATGTATGCATGTAAATGAGCTCNTATTAGCTGTGTTCAATTAAGGTNTTCTC
CATNCTGTGATCTGCTTTTAGATTNGNAACACATTTGATGNGTGACATTCCATTTGTA
TTATTTAATATGACAACATTTANTACTATTATTATATCNCATCAATTCAATCACATAN
TACTATATCCCTGGATAATGACCATGATCCTT

Sequence 2555

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCACAACTTTTAGCCCCACGACGACTGC
CTGTTTCCTAATTATATTTAAGCAGGTGAGGTGCGCCTTTATGTTAAGGAAAATCACACG
GGCTGAGAGTCGCTGGCAGCACAGCTTGAAATGCTTCTCAGATATTAAAGCCCGCTTGCT
TTTCCAGGTGGGATACACTCGCTTTTCTTTTACAGTAATGCATGTTTCCCCATTAGACA
AACCTGTTTTACTACATTCATCAAGAAACCAATGATGCTGCCTCTTCTGCTTTGCAAAT
TATCTTTTCACACGCCGTGACTCCCCTTCTTAGGCAGATGGTTTACCAAGTGCTACTTAT
TTGGTTTGCCTTTTNGACTATTTTTTGGAGGATGACGTCATTAATCTATTGCTGGAATCTG
GGAGAGCTGCTGTTTTAAAGACTTACTGGAGCTGCCACGTTNTTGAGCAGATAAATGTGG
AGAGCCCTNCGAGGAGGAACGGAAAGAAATTTTATTTGCGTGAGCCGGTTATGGGATTT

Sequence 2556

CCGCGGTGGCGGCCCGCCGGCAGGTGCATATATATGTATGCATGTAAATGAGCTCTTAT

Table 2

TAGCTGTGTTTCAATTAAGGTTTTCTCCATCCTGTGATCTGCTTTTAGATTTTGGAACACA
TTTCATTGTGCACATTCCATTTGTATTATTAATATGACAACATTTATTACTATTATTATT
ATCATCATCAATTCAATCACATCTACTATATCCCTGATAATGACCATGATCCTTTTAATA
ATCACAAAACCTCTCTTCCCTTCATCACGGGGTAAATAACCTATCACAAATGCTGTAAGTCT
CCATCAGCACCCCAGGCTGCCCCTGCTCACTTACCAGATCTGCTACTTTAGCCAGATCAA
TCATCATGTTAATGTCACACCCACATTCATAATGGTGAGTCTGCGCTTTTACCTGACA
CGATCGTCACAGGGCCTCTGATCTCGGTGAACCTTCTGCCAGGTGAAGTTCCGAATGAGGC
ATTATATCAAAGTGCTCTTTCCAACCTTTGGAGGCCCGCTCACCCTACCGCTATTGGTGG
CGGGCTCTAGTGGAAGTTCCATCAACCACTGGGAATATGAAGCTTTGNGTCTTCAAATC
CANAGTCCCGGTGAAAAGGATCGAGACATTNCACACCANCANACTGGAACNGGCAAAAAG
CNTTTGGCTTTTTCTTTTTTTNGGGGCATTTTTTTCGGNNNCCCNAACCCNGGGAAAAAC
CCNCCAANTGGCCCCCTTTT

Sequence 2557

CCGGGCAGGTACGCGGGGAAGATGTAGCTGTGTAGTCTCCTTCCATAGCTGCTCTAAGGG
GGCTGGCAACATGGCTCAGCAGGCTTGCCCCAGAGCCATGGCAAAGAATGGACTTGTAAT
TTGCATCCTGGTGATCACCTTACTCCTGGACCAGACCACCAGCCACACATCCAGATTAA
AGCCAGGAAGCACAGCAAACGTCGAGTGAGAGACAAGGATGGAGATCTGAAGACTCAAAT
TGAAAAGCTCTGGACAGAAGTCAATGCCITGAAGGAAATTCAAGCCCTGCAGACAGTCTG
TCTCCGAGGCACTAAAGTTCACAAGAAATGCTACCTTGCTTCANAAGGTTTGAAGCATTT
CCATGAGGCCAATTGAAAACCTGCATTTCCAAAGGAGGAATCCTGGTTNTCCCCAGGAAAC
TCCGACAAAATNAACCCCNCTCAANNATNTNGTAAAGGANCCCCCCCCCAGGTAAAAANA
ANNTTGGGGGNGGGCCANAAANGGNTNNGGCCCCANAAANNNGNAAATTTTTTTTNNANA
AAAAGGAAATNTTTTTTTTTNTTTTTTCCAAAAAGNGGNGCCCCCCCCCCCCACCCTAAT
AANNGGNNAAAAAANAAAAAAATTTTTTTTTTTTTTTTTTNTCCNAAAAAATTTTTTNNNN
NNANNNNTNNNTTTNTATAANCNCNNTCCAAANAAAAAANANCCNCCCNCCCTNTT
AAAAAANTAGNNNCCCCCGGCNNNGGNGNNNTTTTTTTTAANTTTTTTTACCCCCC
CCCNCC

Sequence 2558

CAGGTACGCGGGAAGCGTGTTTCTGCCCCGNGAAGGCCTACAGTCTCATAAGGCTTCCAC
AGTTCAAAGAAGTCCCTTATGTATTGTGGATTAGGAGAAATACATACATGACANAAAATG
CTAATCCAATAACATTTTCTCATTCTTTCATCCAAAAACAATCCTCTATGATGTTGAA
GGAGTTGTAATAGAAACAAAAGTATATTTAAGAATAACTAGACCAATTCCAGGTAATATA
TGTATCTATTTCACTCTGAAAGTCACATGACTCCGCACTCAAGTGTGGACCATGCACAGT
AATTCNTTTTAAAAGCTNCAGCATATGTTAAAGAAAAAATCTTGACACTTGTTAAAG
AACAGGAAAGCAGACTTTATATAGGACCATTCAGTAGGTNTAGAAACCACAGCAATGGG
GTTTTGCAATGAAGGTTGAGCTCAACTCCTAATAACAAGAAGAAAAAAGTGGGGATTATA
GCTAAGGATCTATCCCTTGA

Sequence 2559

AGGTACAATAAACTGCTGTCACTGCTGCTGGAGGAAGGAAGAGTAACTCTGACATCACTG
GCCTTCAACAGGCGTGCGCTGAGCTTCTGGGCCTCAGAAGCCCTGACTTCTAGAGGCTG
GGTGCCAGCGGGGCAGGGAGGTGATCTCATCATGGATGGCCACAGATCATCCACCTGGAA
ATGTTCTCGCAAATGAACTGGAATGCATGATGTCCTGGATTACGCGGGTCACAGCTGAC
TGCCATCAGGAGGTGTGACGGAGAAGGTTCCATTTCTGTGACCCTGTGGTGATACAGGTC
GGGACCCAGGCGAAGTAGCTCAAGCCATNTGAATTGGCACCTTTCTGCTTTTCTCGCTGA
ATGACGGGTGCCTTG

Sequence 2560

ACCAAATGTGCTTTTCTCTGAGGACAGGGGAAGAGTTCATCTTACGCCATACCTTTGCAT
ATTTTACAAAATTCATTTCTACCAAGGATGCCTCTCCACAAAATGAGGAGTAGCACAAAG
AACACCTAAGAAACCAGGCCTGACCCAGGGCCTCTGATGCTGGGGCAGGTTCCCCGCGTG

Table 2

CTAATATCCCAGGGGACCCTGTTGCAGTTCTCTGAATACCGGCTGTGAGCTTTCCAACCTT
CAGTTGAGTCCCAGCATCCTCCTCACACCACTTATCCTCCCTGCCTGTCCCTGGCGCGTT
TAGACAACTGGAATCTTTGCTGACATTTTAAATGGGCTGGCTACTTCTCCAGCGTGGAGG
CACCTAGCACAAAGGTGTGATAGATCAGTATTTGTTGATGAAGTAACAAAAGTTATTTCTG
GCAAATTGGACTTTTCCCCTTGAAAACGTTTTGGCTTTTACATTTTTTAATGATGGGGTC
AAAGAAAACAGCCCCCAAAGAAGAAAGGGGCGGGGAAATAGGGGGGGTAGGGACCCCTTGC
CTGCCCCGCGTACCTTGCCCNCGGCCGGCCGNTTNTAGAACTAAGTGGGATCCCCCGG
GGCTNNCANGGAATTCGANATCAAAGCTTTATTGGATACCCGTNCGACCCCTNCNAGGGGG
GGGGCCCCNGTTNCCCAAACCTTTTGG

Sequence 2561

ACCCTGGACTCATACCTGAAAGCAGTGTTC AACCTTAGCAAAATCTCCAACCAGCGCATG
AACAAATTTCTACATCACAACGACCTGGTTTTCAAATTCAGCTCTCAAGGCCAAATCTTT
TCTAAATTTAACCAAGAAGTTCATCAGTTACAGAGAAAAGTAATCCAGGACCGGAAGGAG
TCTCTTAAGGATAAGCTAAACAAGATACTACTCANAAAAGGCGCTGGGATTTTCTGGAC
ATACTTTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGATCTCCAGGCT
GAAGTGAAAACGTTTCATGTTTGCAGGACATTGACACCACATCCAGGGCTATCTCCTG

Sequence 2562

ACTGCTGCAGAGAAAAAGCATCCATGTCAAAAAGTAAAAATCTCATTCTACCTTGCTTC
CGTCCCAGACCTTGCTTACCTTCCTGAACTTTTATATTCCTGGATTATCTTGCTTC
CAGGACCTTGATTCTGGAGTTCTCGCCGAACCTTTTAATCTCTGCTCCAGCTCTAT
GAACCTTTGGCTTGCACTCCCAACACGGGCATGCAGGATGCGGTATTCAGCATAATCTG

Sequence 2563

AGGTACCTTTTTTTTTTTTTTTTTTAACTCCCTTTCCTTGTTATCTGAACCTTCAA
ACATCAGCTTTGATGTCTATTGTTGGGACTTCAAGAGGACTCTAGCACATCGGCAGGTG
TTGGTTTTAGTGAGCAGGCGAGAGTCCACATTCTTCCAAGGAGAGAGATGGGTCCCACC
ACATTCTACCCCTAGAGCANAAAGTTCCCGCGCTGTGCCTCTTCTCTGGCTGCTTGCTGA
GGACGTCTCCCACTGGGGTACCTGCCCC

Sequence 2564

ACAGGCACATGAGCCATTTGTCCTGAAAAATCCATCTGGGGATCCCTGTGGGCTTAGAAG
ACTCTGTCTGCCCAATGAAAGTCATGGTTTTGCCCATAAATCAGTGAGTTTTCAAATCT
TGTGTCTTGAAATTTTCAACCATCTTCATAAATAGAACTAGGATAAAGAACCCTCATA
GTTCAATACAGGGAAGCAGATGATGTGAGCAAGTTCAGTTTCAGTTAACAGCCAAGAGGT
CTAAGTGACAACTCTTTCTCCCTCAAACCTTAGTTTCCTACTGAGCTCATATCCATGCT
TTGATTTAGAGTTTATCTGGTGCTAGAAGAAAACCTAAAAGCAGTGTGTCAGTAACAA
TGTTTAGAGCAGGTGAATTAAGCTCGATTCTGCCTGACAGGTCTTCTTTTCTGGGTGACA
CAAGTGAGTCACTCAGGGACCAGACAGAAGGTGATAAAAAACAATCANTCCCTGGAATGAG
ATTTTCTTCTGGCAAGGTAGACCCTTAAGAATTTGAGATCTCTTAAAGGGATGCA

Sequence 2565

CTATAGGCGAATGGNCTCCCCGCGGTGGCGGCCGCCGGGCAGGTGAGTGAGGNAGGG
ANAGACCCTCTGTGGTGACGCCCCNCCTCGAGGAGCTTCCTGAGCAGGTGGCAGAAGAT
GCGGTAAGATGGGCTTGTGATGAGCTGTAGGAGTGGAGTGGGAGCTGCTTGCTCCCTCC
CCACCCCCACAGCCANCCCAAGNCCCAGAGAGAAGAAGGGAGGATTTCTGTGAGAGTGA
CTGTAGGTAGAAGGGCCCAGGAGCCCTNCTCCTTTATT

Sequence 2566

TATNGGCGATTGGNNCTCCNCGCGGTGGCGGCCGNGGGNNGCTGNGAGNNCCGGGNGCGT
TAGCGAAGAGAGAAAAANCAGCGAACCCTACAGCGTCGCAGCGCGGCGCGGCGTCTGC
TTTATAGGAGAGGGCGCAGGCCCCCGCGT

Sequence 2567

GTAAACGACCTCACTATAGGGCCGAATTGGACCTCCCCGCGGTGGCGGCCGCCGGGCAG

Table 2

GTCAAGGGCACACAGGTGTCTGGTGTGGGCATTGACCTATGCCCGGGCCAGCAAACAGGT
CTGCAATGACATCGATGAATGCAACCGATGGCAACAATGGTGNCCTGTGACCCAACTCC
ATCTGCACCCAACACTGTGGGCTCTTTCAAGTGTGGTCCCTGCCGCTGGGTTTCTGGG
CTGGGAATGGGAACGTGTGTGGGNCCTGACACAGACATCGATGGCTACCCAGACCAAGCAC
TGCCCTGCATGGACAACAACAACACTGCANACAGGACCAACTGCCTTTTGNACCCCAAC
TCTGGGCAGGAAGA

Sequence 2568

GAGCTNACCCAGTGGGCCACGGGCTCCGGACTCCAGAACTTTCCAAGTGGGGGAACTTG
GCNCGGGGATGAAAAGTGAGCCAGCTCCAGCCGGTGGAGGATGGTTTAAAAAGGCACCA
TTTCTGCTTCCTCTACTNAAGAACCAGGCTTTAGATTATTTCTGCAAGCAAATTA
GAGCCAGTAATCGCCAATGTGTCTGCCCTATGGTAACCCCGGTCTGTCTGAANGCTGCA
TGTTTTCTGCTAAATGTGAATTTNTGTTCCATCATTCAACAGACATGTGTTGGGGATN
TTATTGTACCTCNGCCCGNTTANAAGTAGTTGGATCCCCCGGCTCCCAGGAATTTGA
TTATTNAANCTTAATNNATACCCGTCCACCCCTTCGANGGGGGGG

Sequence 2569

AGCGAGTGGCGAGTAGTGGGAAACGTTGCTTCTGAGGGGAAGCCCAAGAATGACCAGTTT
CTTAACGAAGTTCAAGCTGAACCAAGCCACCCGAGGAATGGCATCTCCTTCCGTGAAAGT
TCAAGCCCCAACACCTCCAGTTTCTGGCTGTCTCCTTCCCTGGGACAACGTTCCGTGC
GTTCTTTTACGATGTTGCCCGGCCAATTCCATTGCCGGCTTCAAGTTACCTTCGGCCGC
TTCTAGAACTAAGTGGNATCCCCCGGGGCTGCAGGGAATTNNATATCAAAGCTTATCGA
TACCCGTACACCTCGAGGGGGGGGGCCCGGTACCCAACTTTTTGTTCCCTTTAAGTGGAG
GGGTTTAATTGCCGCCGCTTTGGGCCGTAAATTCAATGGTCATTAAGCCTGTTTTCCCTG
TGTTGAAAAATTGGTTAATCCCGCTCACAAATTTTACACCAAACATTACTAANCCCGG
GGAGCCANTAAAAGTGGTAAAAAGCCCTG

Sequence 2570

CCGGGCAGGTACGCGGGGACAGATAAAGACTCAAGTCTGGGGACCTCCTGGTCACTCAGG
CAGCAGCCCCCTCTTTCTTGCCCCAGTCTCCAGTTCTCCAGTGTTACAGGTGAGCCTAC
CAACAGCCACTGCTCATGATGGAGGCCATCAAGAAAAAGATGCAGATGCTGAAGTTAGAC
AAGGAGAATGCTCTGGATCGGGCAGAGCAAGCTGAAGCTGAGCAGAAGCAGGCAGAAGAA
AGAAGTAAACAGCTGGAGGATGAGCTGGCAGCCATGCAGAANAACTGAAAGGGACAGAA
GGATGAGCCTGGACCAGTATTTTGAAGCTTTTGAAGGATGCTCAAGAAAACTTGAAC
TGGCAGAAAAAAAGGCTGCTTGATTCTGAAGCTTGANGGGGGCCCTNCTTTGAACCCGT
AAGGATNCCAACCTGTTTGAAAAAAACTTGGACCNGTGCTTCAAGGAANCNCCTTGGC
CACTTTGNCCTTGCAAAAAACTTGGNAANAACTTTAAAAAACTTCTTNATTNAAAAAN
NTGAANAAAAANGTTTTTAAAGGGTTTTTGGNAAAAANCCGGGGCCCTTTAAAAAGGAT
TGGAAAAAAAAGNTTGGGGAACCTCCNCGGAAAAATTNCAACTTNCAAAAANAACCT
TTAANCCCCANTTNGCCANAAAAAAGGCCCGAATTTNGAAAGTTTTTTAA

Sequence 2571

CCGGGCAGGTACCGCGGGGGAAGAAGGAAGAACGTTGCTTGGGCAAAAGGAGCATATTCT
CAGGAGACGGGGCCCCTGCCTGCCACACCAAGCATTAGGCCACCAGGAAGACCCCATCT
GCAAGCAAGCCTANCCCTCCANGGANAAAGAGGCCCTTGCAGNTCCTTCATCATGAAC
TGGCCCATGATCATCTCTGGGCTTAATTGTGGGTAGTGCTTAAAGTTTGTTTGAATNG
ACCCTTTATTTCTACTTTTATTTTCTGGCCCCAAAAGACCTGGGGGAATTTTATTCA
AGGCCAAAGNANGGGTTTTTTTTCNTTATCCCACTTTTCTTGGAATTCATTNTTTT
GNGGGNAAATGAAAAAAGGCCAAGGGGGGAACCTTTTTTGGCAAAAANGGGAAAAAA
GGGGGAATTNCCCCCAATTTTGGGCCCAATTTTGNTTCAAACCCANCCGCCCAAAAA
NAAAAAACCTTGAANGGTTTTTCTTTTAAANGGAACCATTAACCTGGGATTGCCT
TTGGANNAAAAANTTAATNTTTAAATTTGGGCCNTTAAATTTTAANCCAATTCGGTGG
GAAAAAANAANAAGG

Table 2

Sequence 2572

CGCGGTGGCGGCCCCGGCGGGAGGCTTGACGAAGAGCCGGGAGGCGTTAGCCGAAGGAAGA
GAAAAACCGAAGACGAAGTCACTACAAGCCCCGCGTACCTCGGGCCCCGCTCTANGAACTA
GTGGATCCCCCGGGCTTGCAGGAATTC

Sequence 2573

CGCGGTGGCGGCCCCGGGCAGGTACCGTGGTTTCAGCCTTGTGTGGTCATCACTGGCT
TCTGGAGCTATTGGTGATGTCCAAGGGAAGCTTTGAGAGTTTATGTTTACTCTTTGAGT
CCCAGGAGAAGCCTGGCACCTCTTTGCAATTGGCCTTTGCTCTTTCAATGCCTTTCAT
CCATCTCCACTCTCTCAACTGCCTAAAGTCACAGCACAGATACTGCCAGTGCCCTTAAGA
GGAGACATGATCTCTACCAGGGACTCTCAGCAAACACGGGACTGTGTTCAAGTCCACAAA
GGAAGCGTTTTTGAAGCTCTCATTGTTTCATGTAAAAATCATACAGTGGCATGTTGCT
CCACATTCTTACACACAGGGGTAAGAGGGGATTGCTTTTGTGACCCACGTTCAAATATC
TGACTGTTTTCTTTCTCTTTACTGCTNAAGCAGCCCTGGAAGGATAAATGGAATAT
TANACTTAANATTTGGTTTTCCANGAGGCTCAATTCTGAACACACCAGAATGTCAGAAGC
TTGGAAANGGGACCTATAAAGAACATCTTAATCTGGATCCTCTTGTAAACCTCGGGCCCC
TTNTANAAACTAAGTNGGATCCCCCGGGGCTGCAAGGAAATCCGATNNTTCAANG
CTTANTCGATAACCCGTCNNACCCCTTNANGGGGGGGG

Sequence 2574

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGATATGATACTCTCT
TCCAGGACTGAATCCGCTAGTCTGGCCAAAAAAGCACTCAGCCACATCCTACTCCCC
AATAAATGTCTCTGGGGTCTTCATTTTCTCTCCGGCTGATCCTCAGTTCATCCAGTTCC
TTCTCCATTAAGTGGGATTGAGCAGTGGACTCTGAAAGCTGAAAGTGAAGCAGCGGCTGT
TAGCAAGCAGCACATTTCTAGGAAATGTTTCGGGTTAGCAAGGCCGGCCCTACACACGGA
GGAAAGGCCCCCTGCCACTTCTCTGATGCTGCTGGCTTCTCTCGATGGGAAACCTCTGTA
ACTGGGTAGAATGCAACCCCTGATGACCCAGGACCACAAGTACCT

Sequence 2575

AGGTACTATCTTTAAGATGTAAGTCTGGCATTGTGGAAGATGGTTCCAGTTTCTATGAC
CTACCTTGGGGAAGAGGAATCAAGTTTCTGTGGCTTGCCCTCAGGGAGAATGAGGCTGA
GACAGGAGGGCAGGATAACATCAGAGAAAACTTTGCTTCTGAGGCCTTCACTTTGGGTT
TTCTGAGCCCCAACATCTGCTAGTGTGTAAAGAGAACAAATTAGGGACCAAGTGAGGGGA
GGAAAGCATCCATCTCTGCATTCTGATGCTGGGAGACTATTTCCCTTGAATGCAATTGAT
TTTGCTCTGCTAAGAGGCTCTGCTGGCTACCCATGTACCTGCCCGGGGCGGCCGCCCGG
GCAGGTACGCGGGGAAGCTTGCTTCTGCCTGGCATCTGTGAGCAGCTGCCATGCTCCGG
CCAGGATCCCTTCCCTCTCCTCATTGGCTGATGGATCCCAAGGGGCTCCTCTCCTTGACC
TTANGTGCTGTTTTCTCTCCCTGGCTTTTGGGG

Sequence 2576

GGGGTAGGATGGGAAGCCGTGGGGCAAGGGAGGTTGCAGGAAGCCCATCCTTCCCCTCCT
GCGGCAGGTACCT

Sequence 2577

CGCCCCGGGCAGGTACTCATCACGTTGAAGGGTCATCATATGTGTNCCCATTTTTTCTCT
GCAGGAAAGTGAGCTTCTGGAAGGCTGTATCTGAGTCTGTTCTCTCAATATTCAATGAA
TGCTGTCTGAATGGATCAATCAATGGAGCTATGGCCTCTTCTGATTATGACAGCTGATC
ACTAATATGATGTGACCTCCCCATTTTCATGTACCTCGGCCGCTCTAAGAACTAGTGGATC
CCCCGGGCCTGCAGGGAATTCCGATATCAAGCTTATCCGATACCCGTCGACCTTCNGAGG
GGGGGGGCCCCGTTACCCAGCNTTTTGGTTCCCTTTTAGNNGAAGNGGTTTAAATTGCGC
CGCNTTGGCAGTAAANTCAATGGGGTGCATNANNCCNGGNTTTCCCTNGTGNNGGAAAA
TTTGNNTTAATCNCNGNNTCCAANANATTTCCACCACCAAAACATTACCGNAAGNCCCC
GGGAANGCCCATTAATAAAGGTGGGTTANAAGNCCCTTGGGGGGGGGG

Sequence 2578

Table 2

TTGGAGATGCCCATCTTGAATTTCTGAGAGGGCAAGATATACTTATTTCCATTTTATGCA
GTCTGCATCTACCTAAAACCTCTGACTGATGTGGGAATGGCGAAACACTATCAGGCTTGA
ATGTGTGTGAAAAACACCAAATTGGCCCAGATCCCTAACAGAGCAATCCTCGAGGGGATG
GTGGCTATTGCTGGAGAGGCATTAGCTATTCACAGGGTACCT

Sequence 2579

AGGTACAAATCAACAGATATGTTTTAGAGAAGTGTTAAATTTTTTAAACGCAAGTGTAAT
TTAAATAGAATGAAATACAACAATCCGAAGTGCATAGACGATGAGGTAAGATTTTTTCA
TCAACTTTATTGAAGTGTAATTTACATATAATAAAATGCAACCATATGTCTACATTCATG
CAAATACCACCTTGTAAGAAATGCCTTTCCTGACTACCTTATCTAAATTAGTCCTGCCCA
GAGTTCAGAGACCAGCCTGACCAACATGGAGAAAACCCCGTCTCTACCAAATAATACAAAA
ATTAGTCGGGCATGGTGGAGCATGCCTGCAATCCAGTTACTCAGGAGGCTGAGTCAAGA
GAATCGCTTGAACCCGGGAGGCGGAGGCTGCAGTGAGCCAAGATCGTGCCATTGCACTCC
AGCCTGGGCAACAAGAGCAAACTCCATCTCAAAAAAAAAAAAAAGAAAAANGAAAAAAG
TAAAGTNNCCCTGCCCGGGGCGGCGCTTCTAAGAACCTAGTGGGATCCCCCGGGGCTGC
AGGGAATTTGANTATTCAAGGCTTTATCGANTACCCGNTCGACCTCCGAGGGGGGGGG

Sequence 2580

CCGGGCAGGTACACAGGGGCATAATCAACCCATTTCTGCTTCAAAAGGAATCAGAGCTT
TTCCACTTCAGTGATTACATAGCTGAAGGGCATACAAAAGCTGTGCTCTGTGTGGATT
CTACTGATGATCTCCTCTTCACTGGATCAAAAGATCGTACGCGGGGCAGCATTCACTCTC
CCTGTCTTTTCCCTTCCCTCAGCAGAAACGTGTTTATCAGCAAGTCGTGAGTCAAAGT
CTGCCTTTTAAAAAACCCACAAAATGCTGATTCAAGTTCAAAATTAATGCAATGTTNAA
AACTGGGTTTCTGATATTTGTAATGTGTTTTCTTTATTAGATAAGAGTGATTACCATT
AAAGGNCATTAGTATAAATATTGCTTTCAAAAGAAAAATGGGTAGACAAAACTATAATC
CAGCATTCTTTTATTGCATTG

Sequence 2581

CGCCCGGGCAGGTACGTTGATGTAAGCAAGGAATTCTGTATATTGAAGAAATTAAGTGTC
TTGCCCAGGGTCACATGGCTGGAAGTGACAGAGCCAGGATCAAACCTGTGGTCTCCTGA
TTCTGAGACCAGTGTTCTCTTGAAGTGCCTTGACCT

Sequence 2582

AGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTGTTATGT
CTACCTAGCTGTGATTATATCAGGCACAGGATTGTGCGCGTGTGCTCTAATCCCACTGTG
TCATGCAGGATTTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGTTCTTA
CACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTCGTGACATAGGGGAGCA
CCCTGGACCCAGAGGCCACAGCAACAATAAGAGAGCAACAACCTACTACTAATATTCT
GCTATGCTACCTATGATTATAAGAGCCAGTGTAGGCCAGAGCCAGAGACACCCACCAT
CTCTGCAGGCGGTTCATCAGTAAGGTATTCAATTGCCTTAATCTCCCATGACATGACACCC
CCTGCAAAAGCTGCCACTATGTTCTGGTGGTGTGTCANGGATGAATGTACCTGCCCCNGGC
GGGCCGTTCTAAAACTAGTGGGATNCCCCCGGGCTGGCAGGAATTCGATATCAAGCTTTA
TTCGATACCCGNCACCCCTCNANGGGGGGGGGCCCGGTACCCAACTTTTTG

Sequence 2583

AGGTACCGAGTGGCATTACTGGTGAAATAACGATTTCCTCACTTTCTCTACATCATCACT
CCCCATCCCAATCCATTGTCTATCACTTGAAGTTGGAAGTTTCCATATTCACCCCTGAC
AGCCACACATTTTGTTCAGCATCAATACTGTTGAGGGCAAGTTCCTCAACACATTGGCC
CAAGGAGCTTATGGCCAAACCAGAACGCAATTTGGCTTGTTACCTGCCCC

Sequence 2584

CCGGGCAGGTACCCAGATTGGAATCTTCGGAAAAATGGAGGAAAGGCAACAGAATCATG
TCTTTCAGAGCAGCATGATCAGCATGTTTATAAAGCTGTTTTTACCACCTCATACCCAAG
CTTACAGCAGGAAAGGTTCTTTAACTTGTGTTGGTTAATGAGGTGTCCCAACAAGTGA
AAGCTTAAGAGTGAGCCACCTGCCAAGGCGGAAAGAACAGGCTGGGGAACGGGGTGATAA

Table 2

GCCCCAAGACATTGGTGGCTCAAAGGCCCTGTCCCATGCTTTGGACCAGTCTTCACAGA
NGTTGAAAAGGCCAANNATAAGAGAACTNTCCACACCCTTCTGTGTTGGAGATAAATT
TTTNCGTACCTCGGCCGGTCTTAACTAGTGGGATCCCCGGGCCTGCAAGGAATTNGA
TTTCAAANCTTATTGATTACCGNCGAACCTTNGAAGGGGGGGCCCCGGNTNCCCCCAGC
TTTTTG

Sequence 2585

CGCCACNCCACCGNGGTGGCGGCCGCAAGGCCCGGNANGCTGCGGAACCCACGANACGG
GCNGCNGCAGCTCGGCTGGCACTAANCANGGCGGATAAATGGAGGAGNNCCT
TGGCAANTTAAATTGGAAATCCGGGGCCCC

Sequence 2586

AGGTACCGTGGTTTCAGCCTTGTGTGGTCATCACTGGTTTCTGGAGCTATTGGTGATGTC
CAAGGGAAAAGCTTTGAGAGTTTATGTTTACTCTTTGAGTCCCAGGAGAAGCCTGGCACCC
TCTTTGCAAATTGGCCTTTGCTCTTTCAATGCCTTTCATCCATCTCCACTCTCTCACTG
CCTAAAGTCACAGCACAGATACTGCCCAGTGCCTTAAGAGGAGGACATGATCTCTACCAG
GGACTCTCAGCAAACACGGGACTGTGTTTCAAGTCCACCAAAGGGAAAAAGCCGTTTTTT
TGAAGCCTCTCATTTGTTTCATGTAAAAAATCATACACCGTGGCATTGTTGCTCCACAT
TTCTTTACACACCAGGGGGTTAGGAAGGGGGAATTGCTTTTTTGACCCAACGGTTTC
AAAATATTGTGGACTTGGNTTCTTTTTTCTTTTTTTACCTGCNTAAAGCCAAGCCC
CTNNGGAAAAAGGGAATAAAAAATGGAATNTTNTAGNACCTAAAAGAATTTTTNGTTTTT
TCCCAANGGAAGGGGCTTCAAATTCCTTGAACCACCAACCAAGAAATGGTCCANGAAGC
CTTNGNGAAAGGGGACCTTATNNGGAAGAANTCANTNTTGGGTCTTGGACCCCTTTTTTG
TTANCCCTTNGNCCCCGGGGGCGGGGNCCGNTNTTANNAACTTAGGTGGGGAATTCC
CCCCCGGGCCCTNGNANGGGAATTCGAATTANTTAAANCCTTNTCCGAAATANCCC
GGCCCAACCCTNTNAAGGGGGG

Sequence 2587

GGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTAACTCATACGTTTTTATTTGAGA
TCTGCCTTGCTTATTTCAAAAGAGTTGCAACCCGAATGCTGAAGATTTTCTTCATGGC
GAGTCTCANAAATAACCTCAGCTCATTTGCCAAATCTTGCCAGCCTGATAAACATTTTT
CTTTTGGGGGCTGGCATCTCGTTTCCTCCTTCTTCTTGGTCACATATAATGTTGGTCA
TGCCTGAGCTTATAGCAGCAGCAGCCAGAGGAAGATGAGGTAATTAGGCAGATCACAGCG
GAACAGGNTGCATTCTCATTCTTTCAGCCTTCTCTCTNTNTCCCCAACCTGCACAGTT
NTCCCCGCGTACCTGCCCC

Sequence 2588

AGGTACGCGGTCAGCGATCAGCCAGCAAATATTTTCTTTGAGCTTGTGAAAGCTCTGT
GTTCTTTTGCCTTCAATCTGCTGTCTTCAAACAACAAAAAAGCTTCTTGCGCC
TTTCCCTCCCCTGTTTTCTCCTTTTTCTTTTGTGATGCACAAGGTAGGACTTACT
TCGTAAGAAAAAAAATGCCAGTATTTTCTTAAGCCATGATGTGAAACCAATGACCCTGTG
ACCACATGGCACAGAACTAAATTTTGGTCCCATGGCTGAAACTTGAGGGTGACTAAA
AGTAATGCCTGTGAAACATGATATCTATCTGGGATGGCCATTTGATCTCTAAAANGAATT
TTGTCTTGCCCCG

Sequence 2589

TTGGAGCTCCACCGCGGTGGCNGGCCGCCCGGGCAGGTACGCGGGGAGAGAGAGTGTCTT
CNTNCTNTNNGACATCTAAGANAAAAAANNACTGACCAAGACTCAGCCGTGGGAAATA
TGAGTGAGCTTGAAGAGCAAGATCCCAATCCTCAGAAAGAGGAAATGACCNAGAGTCTT
CCAGCCGGTTGGGATCTGTGATTGTCCAGGGAGCCCACTGAGGGAAAAACGTTCAAGA
AAGAAGGGAACNCACCAACCTGGATAAATCAGGGGGTATTTGCACCTTAGNTNGGNGGG
AAGAAATTGAAAAAATCAAAGCCATTTGCCCTTNTTTTTTTCAAAGGGGGCCCTTGA
NCAATNGGGAAAAANCCTTTTTTTCAAACCAAGGGGAAACCTNNGGCTTNTGNTT

Sequence 2590

Table 2

CCGGGCAGGTACTTGGAGTTACGAAAGATGCTGGTGATGAAGATTTGAAAAAGCTTATA
GAAAGCTTGCTTTGAAGTTTCATCCAGACAAAAACCATGCACCTGGAGCAACAGATGCTT
TTAAAAAGATTGGAATGCTTATGCTGTTTTAAGTAATCCAGAAAAGCGAAAACAGTATG
ACCTCACGGGCAATGAAGAACAAGCATGTAACCACCAAAAACAATGGCAGATTTAATTTCC
ATAGAGGTTGTGAAGCTGATATAACTCCAGAAGACCTGTTTAATATATTTTTGGGGGTG
GATTCCTTCAGGTAGTGACCT

Sequence 2591

CCGGGCAGGTACTTTATGTGTGACAAGGCAATAGCAGCTNCTCCCTCAAGATTAAAAACA
ATTAANAAAATACATAGCATCTGAAGAATGATTTTTGGGTAAACGAGTAGCTATTATTTA
TTAAAGTGTTCCGGCGTTCCTGTGTTCCCTTGACTTTGAACACTCTTCCTAGTGATTAT
NGCGTCAGGGTGCAGCATCGGAAGTTTCCAGAAATGGCGTCGTGATAACACAGACTTT
TCAAGGACCCCAAGGGTAAAGGATTGCCATTTCATGGGGCCTTTTTTGCTTTCTTTCTTTT
TCTCGCNTCCCTTTTCCCCCGCNTTCTCTCTCCTGCTTCTCCATCTTCTGTGCTCTTTT
TTTTAAATAAAAAAGNCTTTTATTGCCATTANTAATTTTAACCATTACCCATTAACCAGN
TTNGCCCCCTTTTTTAAAAAGNNNGTTAACCCCTTCGGGCCCGGCTTCTTAAGAAAACCTTA
NGGTGGGGAATTCCCCCCCCCG

Sequence 2592

AGGTACACCTCACAATGATATGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTGTTATG
TCTACCTAGCTGTGATTATATCAGGCACAGGATTGCGCGCGTGTGCTCTAATCCCACTGT
GTCATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGTTCCCT
ACACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACTCGTGACATAGGGGAGC
ACCCTGGACCCATAGGCCACAGCAACAATAAGAGAGCAACAACCTACTACTAATATTCC
TGCTATGCTACCTATGATTATAAAGAGCCAGTGTAGGCCANGAGCCAGAGACANCCAC
CATTNTGCGAGCGGTCATCAGTAAAGGTATTCAATTGCCTTTAATCTCCCATGACATGA
CACCCCTG

Sequence 2593

AGGTACGTGGGGGAGTCAGTCTCANTTAGGACACAGCATGGANATGAGGGTCCNNNNNTNA
ANTCCTGGGGCTCCTGCTA

Sequence 2594

AGGTACGGCTTCGGAGGCTAGGCCGCCGCTCCAGCTTTGCGCGTTTCGATCCCAAAGGCC
CTTTTAGGGCCGACCACTTGCTCATCTGAGGAGTTGGACACTTGACTGCGTAAAGTGCA
ACAGTAACGATGTTGGAAGACTTATGATTTTACTGTGTATGATTTGGGAGAAGAAATTC
TGTCAGCTCCCAAAGGATAAACCAGCAGTTGCTTTATTGGTCTTCAGATGTGGCTGCAA
CACTTGAGACTGAACTAAGCTTAAACACGGTACCTGCCCG

Sequence 2595

GGCCGCCCGGGCAGGTACGCGGGGGGTAGACAGAGGAAGGAGCCTGTCCTCAGACAGGCC
CAAAAGTGAGTGTGTGGGAGTTTGTGCTAATGTTCAAGTAGGTGGAAGCTCAGGGATTT
CCACTGTATTCTTAAGGTGAAGTCAGAGATTTGAGAGAGGATAACCACTTGAACCATACA
GCTGCCATTTTGGGTTGCAACAACGAGGCCAGTGTAAGAAGGAGAATAAAGAACTGGTGC
ATTTGGAGTCANACAAAAAGTTCATTTCATGGCTCTTTCAGTCTGGAAGATTCTGAACTT
TGGAACATAGTAATTCCTAAATAAGAATAAGGCAAGTGGATTTTAATAAAGGGCAATAC
CAGTGATTTCAAAGAAAGAGAAATACTGCAAGGTGCTGCATCATGAAAAGCAGTCCCATG
AAGAAAAAGATTCTGTANAGCATCCTTATCAAAAACCAAGTCGTNATTGCCATTTCTTG
TAAACAAAAGGCCCTGACTAAAGCCCACTTAAACAGATGGGATTTCAACCAAGNCTCG
CTTAACCTCCTGTCATGAAGTCCNTGGGGGGGAAAAGGGNTAANTTTTTTTTNA
AATCCATTCCTGGTTTTTTTTTCCCTTTTATATTTTCAATTTCTCCATTTGGGGATTTT
TTNNCCCCCAGTCCTTTNAAACCAAAACTTCAAAATTCCTNNGGTTTTGGTTTCCNCC
CAAAAAAAAAAAAAAAAAAAAAAAAAANNTCCCTTTGGGCNGNTTNAANNGNGG
NANNTNATGGGGGGTGGGGGGANTTTNTNTANAAATTTANTNTTCCCCCNCNCG

Table 2

GGGGGGGGGGCCGGT

Sequence 2596

AGGTACTTTGAGAAGGCAGGACTCAAATGATGCCCTGGAGATGTCACAGATTCTGGCAG
AGCCATGGTCCCAGGCTTCCCAAAGTGTGTTGGCAATTATCCCCTAGGCTGAGCCT
GCTCATGTACGCGGGGTGCTGAGCCACGAATTCGTCTGCAGAATCACGCGGACATCGTC
TCCTGTGTGGCGATGGTCTTCCTGCTGGGGCTCATGTTGAGATAACGGC AAAAGCTTCT
ATCATTTTTGTTACTCTTCAAGTACCTGCCCCG

Sequence 2597

CCGGGCAGGTACTGTTTCCTCAGCAGAGGAGAAAACTCAACCTAGTTATGAGACCAACC
ACACAACACAATGAAGAGCTGCACTAACTAGTTGAGAATGTTAGTTAAGATGATGCTGGT
GTGAATCCGCGTACGCGGGAGTCGGACGGCGCGGAGGCGCTTCTGGAAGGAACGCCGCG
ATGGCTGCGCAGGGAGAGCCCCAGGTCCAGTTCAAACCTTGATTGGTTGGTGATGGTGGT
ACCT

Sequence 2598

CGCCCGGGCAGGTACCAATTTTTTATATGTAGAGCATTCTGTGAATGTTTGCAATTTTT
CCCTTTCCTTCCACTGCCCTGCTAATGTGCACATGTATTAGACACAAATACCCAGTAAA
TGGGAATTACCCATTTACATGCATACACACTGAGGTGTGCTTGAGTACTCATCACAGAAT
GGGAGAGAGGGCTCTCAATAGATCATTCCCTTTGTTTCTCCCCTGGGCTTCTTGAACCTC
TCGAAGTCTTCAGGATGATGTCATATAACACAGCATAAGCATTGCGGATCTCCATGACC
ATCANCCGGATGTCCCGGT

Sequence 2599

CCGGGCAGGTACGAATGGTGCCTCTTTAGCTTTTGAATGAGTTTGATCCCTGATCTTC
CTCATATGAAGGAAGGGAAACACCTGTGTCTGTTGACATAGTGATTGCTTGAAGAATCTC
CCTAGAGCGAGAAAACCTCTCACACCCCAACCCCCCGGTACGCGGGTCTGCTCATGGTG
CTTCTTAGCATCATCTTCATGAATGGAAATCGGTCCAGTGAGGCTGTCTGAGGAGGTG
CTGCGCAAGTTGGGGCTGCGCCCTGGGATACATCATTCACTCTTTGGGGACGTGAAGAAG
CTCATCACTGATGAGTTTGTGAAGCAGAAGTACCT

Sequence 2600

GGGGTAGGATGGGAAGCCGTGGGGCAAGGGAGGTTGCAGGAAGCCCATCCTTCCCCTCCT
GCGGCAGGTATGGTGACCCTCCTCCAGTTTCCAGCTCTAATTTAAACGCTGCCACACA
GCGAGCGACGCTGCCAGCTGCTTCGCCTACACTCCCCGCGTACCTGCCCCG

Sequence 2601

CCGCGGTGGCGGCCGCCGGGCAGGTNCTAAAGAACCAAAAACCTCCCAGAGGCAAGAGCA
GCTATCAGAGGAAGTAGCCACCACCGGTTCTCTTGACAAAAGATGCATTTTGGGGTTGT
CCAGTCACTTGTGCGCTGGAGGTTGATGGTGACTGGTTTCCAAGCTCTGATTTGAGAATG
CTGTCATTTTGCATCCTGGTCCTTATTCTTGAGTTTGTGGGGCCCATTCCTGGGGAGTT
TTTTGATATCCTGAGCTTAGCACTGAACGTTGCTTATCATGAGCTGTGAAGTTTGACTT
TGTGATGACTGCCAAAATGATTCTATATATTGACTAGATGATCTGGTGGTTTTATCTCCA
GATTCATCAGAATCCCTGGATCTGGCCTTAACAGTAAGTGACACTGCTGTGAGAGCTGTC
TTGATCATCTTCTTCAGTTTCTCCTTCTCAGAAGAAATTGGACCTTCTGTTGGACACTG
GTGGCTTTCATATCTT

Sequence 2602

TATAGGGCCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGGAGGT
GAGGTGAAGTGAGGGAGGCCGCCGGGCCAGGCGAGCCGAACCAATGCTGGACCTGGAGG
TAGTGCCCGAACGCTCTCTGAGGAACGAGCAATGGGAATTCACGCTGGGAATGCCTCTGG
CTCAGGCAGTAGCCATTCTTCAGAAGCACTGTCGCATNATCAAAAACGTCCAGGTTCTCT
ACAGTGAACAGTCTCCTCTAAGCCATGACCTATTCTTAACCTGACTCAGGACGGGATCA
AACTAATGTTTGATGCTTTCAATCAGAGACTTAAGGTGATCGAANTATTTGATTTTGA
AAAAGTAAAGTTAAATATTGTGGCGTGCAATTTAATTCTCAGGCCATAGCTCCTACCAT

Table 2

TGAACAGATTGACCAAGTCTTT

Sequence 2603

CGCCCGGGCAGGTACACTTTGGCATCAGATACTGGCTGCCCTTTCATAAAATGTTTGCT
GATTCATAGATGTCCACTTCAACCATCTTCCCATGAACGCAGGGTTCTTTGGCACTAA
ACCTGCTCATAGAATTGATTGTGTGCAACATAAACTTGAATCAAAAGATTCTTCTGTT
ACTAACACTTGTGTCTTTCACCAATCTTGTGATCATATGGACTGTAAGAATGAAACACC
CGAGAAAGATCTTTTGTCTTTTGTCTTTTCACTTGTGCCGGAACCTGTTCCATTTTGTCA
GCAGGAGTTCCTGGTCTTGGGTAAAATTGGTTAATAAACAGGCTTGGGAATTTGTACCT

Sequence 2604

TGATACGCGGGTCACCACAAAAGTCTGCAGCTTCAGTCCTGAAGCCAGCGAGACCACGAG
CCACCAGGAAGAACAACAACTCCAGACACGCCACCTTAAGAGCTGTGACACTCACCAC
GAGGGTCCGCGGCTTCATTCTTGAAGTCAGTGAGACCGAGAACCCACCAATTCCGGACAC
ACTGGGATTACAGGTGTGAGCCACTGCGCCAGCCAAGCATGCCATTCTTTAGAAGATGT
TCTCTCCTGGCACATCTCAGTTTCTACAAAGGCCCCAGCCCTTCTGGAGACCCCTGGG
GCGAAGTTCTCTACCCCTTCTTTCACATGCCATAACAACTCACCTNCCTCTCTCTTAGAG
CCCCCGTCTGCCCTTCTTGAATTCTGGTCATGCTCATGTTTGCCATAGCTCCCCAAGG
AAGACAGCCTTTGAGTCANGTCTGACATTGTCTGTCTTTAAAGAAGGCACTTAACACAT
ATTTTGTCAACTGAATTAATAAAAAATTTCCACAGGGCCTTGGGAAGAAATTTTGT
CCCTNGGCCCGCTCTANAACCTAGTGGATCC

Sequence 2605

TNGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACACCTCACAAATGATAGTGGCTG
AGAGCCAAATGATGAGCTTCTCTGTGTTATGTCTACCTAGCTGTGATTATATCAGGCACA
GGATTGCGCGCGTGTGCTCTAATCCCACTGTGTCATGCAGGATTTTACCTCGGCCTATG
CCTGCCTGGCAGCAACACAGCCATGTTCTTACACTCCGCCCCCTAGGCCAAGGGGGTCC
TCTTAATGGGAACCTCGTGACATAGGGGAGCACCTTGACCCATAGGCCACAGCAACAAT
AAAGAGAGCAACAACCTACTACTAATTCCTGCTATGCTACCTATGATTATAAGAGCCC
AGTG

Sequence 2606

ACTTATTCTTCAGGGTTACTGAGTCGGCACCTATGACAGCTAAGAGAGCTTTCTTAAAGA
CTGCCTCAGTGTCTTCTTGGCTTTTGGCACCTTCACTCCACTCTGCCCAGGAAATCCACA
ATGGCAGACAAACCTGGGGTTTCAGGTGCACAAAGGCTTCTTCAAAAGCATGGCTATGT
CAGGGCTCTTTGACTCGATCAGCACCTGCAGCTTCAGCTGCCACATTGTCCCAGAGTCTC
TAAACAATTGAGTTCAGCTACTGCCACTTCCAGAGCTTCCCTCAGGAAGTTATAACACA
GCAACGAAACACTCAACTGCTTGTATTGGCATTCTGACAGAAGCTTCAGTTCATGTGCCT
TCCTGAATACAGTCATGGTCTTTTCAACCTCTTCCCTCTAAGGAACCCACTATTTGACT
TCTTAGTAAATCTTT

Sequence 2607

NTTTTTTTTTTTTTTTTTTTGGTAATACCTTTATATAGTCATCTAACTTTCCAAAGCA
CTTTTACCTATTATTCTCAGAACAGTCCAGGAAGTAGGCAAAACAGACATTATCACCATT
TTATGAGGTATTGGATGCTAAATGACTTGCTCAGCGTCTCATAACTGGTAAGTAGCAGGA
TCAGGTCTGAAATCCATTTACCTGGCCTTAGATCCATCTTTGAGGGTCTCTTTATCTGA
TAGGCTTCTCGTCTTGGATAGGCAAGGAAGGATGAACTGGAGCAGAGGATGTGGGCCCT
GCAGGAGAGCAGGCGGGAGCTGATGGTCCAGCTGGAAGAGCTGAT

Sequence 2608

CGAGGTACTTTTTTTTTTTTTTTTTTTTAACTCATACGTTTTTATTTGAGATCTGC
CTTGCTTATTTACAAAGAGTTGCAACCCGAATGCTGAAGATTTTCTTTCATGGCGAGTC
TCAGAATACAACCTCAGCTCATTTGCCAAATCTTGCCAGCCTGATAAACATTTTCTTT
GGGGGCTGGCATCTCGTTTCTCTCTTCTTCTTGTTCACATATAATGTTGGTCATGCCT
GAGCTTATAGCAGCAGTAGCCAGAGGAAGATGAGGTAATTAGGCAGATCACAGCGGAACA

Table 2

GGTTGCATTCTCATTCTTCAGCCTTCTCTCCTNTNTCCCCAACCTGCACAGTTCTCCC
CGCGT

Sequence 2609

CCGGGCAGGTNCCATTGGTGGCCAATTGATTTGATGGTAAGGGAGGGATCGTTGACCTCG
TCTGTTATGTAAAGGATGCGTANGGATGGGAGGGCGATGAGGACTAGGATGATGGCCGGG
CAGGATAGTTTCAGACGGTTTCTATTTCCTGAGCGTCTGANATGTTAGTATTAGTTAGTTC
TGTTGTGAGTGTTTAGGAAAAGGGCATAANGACTAGGAAGCANATAAGGAAAATGATTC
ATGAAGGGCGTGATCATGAAAGGTGGATAAAGCTCTTTCTATGANTAGGGGGGAAAGTAA
GCCGTTCTTTGTNAAACCCCTACCTTGGCNGCTTGCNATTGTGCCANTCCNCCGCCGCTA
CCCCTTGGGCNCGCTTCTAGNAAACCTAAAATGGGGATTCCCCCCCCGGGGCCTGGCCA
GGGANATTTCCGAATNTTCAAAGGCCTTTAATTCGCGNANTACCCCGGTNGCGGAACCTT
TCNAAANGGGGGGGGGCCCCCGGGTAACCCCCCAAACCTTTTTTGGTTTCCCC

Sequence 2610

TTGCTGGTCTCAAATTTCCACACGGAGATATCAATGGTGATACCNCGTTACCGCTCAGC
TTTCAGTTTATCCAAGACCCAGGCATACTGAAGGAGCCCTTTCCCATCTNAGCAGCCTC
CTTCTCAAATTTTCAATGGTTCTTTNTGTGCGATGCCACCCGCATTNATAGGATCACNAT
TGGCCCAGTAGTTGGTGGACATTGCCCCGAATCCTACGCTGTCTCAATGACNNACAAATG
TTTGATAATGNAGCACTTTNTCNCTNTTCCCATATTTTGGGCTTTTATAAGGGGGTTAGT
ATTTTCCACCGACCAACCCCTNGTNGGTTCTNTGGGCGGCCAAAACCCCGTTTTGGCGGAA
AAAAACNCCCCGCCGTTACCCCTTCCCCNNGGGGGCGGGCCCGCTTCTTAAAGTAAACC
TTAAGTTGGGGAATTTCCCCCGGGGGNCCGTGCNAGGGGAAAATTCNNATTATTTC
AAAGCCTTTATTCGGAATTACCCCGNTCCGAACCCCTTCNTAGAGGGGGGGGGGGCCCC
CNGGGTAACCCCCCAAACCTTTTTTGGTNTTNCCTTTTAAGGTGAAGGGGGTTTTA
AAATTTGGCCNCCGCCNTTNGGNCGGTTAAATTCATTGGGNCCTATNANGGCTTGN
TTTTCCCTTGGGGNTNGGAAAAANTTTTGGTTTAAATTCNCCNCTTCTACCNAAATTT
CCCCA

Sequence 2611

AGGTACGCGGGGTGGATGAAATGACGCTGGAGCTCCACAGGCAGGGTCCCTNCATAGCTG
TGGAAGTGAAGAAGGCATTGAAGATGACTATTTTTGGAGAGGCCTGATGCCCGAATTT
CAGTTTGGCACTTACAGCGAATCTGAGAGGAAAACCGAGGAGTACCTGCCCC

Sequence 2612

AGGGCGAATTGGAGCTCCACACGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTGGTGCA
GGCTCCTGCAGATGCTCCAGAATGAAAGCCTTCTCAGACCTGCGCACTCCATCTCCCTCC
CTTTTCTCTCTGTGGTGGAGAACCACAGCTGCAGAGTAGGCAGCTGCCTCCAGGATG
AGTTACTTGAAATTTGCCTTGAGTGTGTACCTCCTTTCCAAGCTCCTCGTGATAATGCA
GACTTCTGGAGTACCTCGGCNCGCTCTAGAATAAGTGGGATCCCCGGGCCTGCAGGG
AATTCGATAATCAAGCTTATCCGATACCCGTGACCTCCGAGGGGGGGGGCCCCGGTTAC
CCCAGCTTTTTGGTTCCCTTTAAGTNGAAGGGGTTNAATTGCGCCGCTTGGCGTAAATCA
ATGGTCATTAGGCNTGTTTCTGTGTGAAATTGGTTTATTCNCGGCTTCACAAATTTCN
CACAACAACCANTACCGAAGCCCGGGGAGGCAATAAAAAGGTGGTAAAAAGGCCCTG
GGGGGGTGGCCCTAAATTGGAGGTTGGAGGCCTTANANCTTCCAACAATTTAAATTTT
NGCCGGGTTTNGCGGCCTTCAACTTGGGGCCCCGNCTTTTTTCCAAGATNCCGGGGAAA
AAACCCCTNGTCCGGTGGCCCCAAGCCTTNGGCATTTAAANTTGAAAATTCGGGCCCAA
CNNCCGCCCCGGGGGAANGAAGGGCCGGGT

Sequence 2613

GGTCTCGGTCACTCGAATAACCCGACATGGCGTCAATGGTTGCGGTTGGCGGGGAACGAA
GTATATAGAAAAGCGTGCGACAAGTCGCTGGAAATGGCCTCGATGACGGCGAAGCCTTGC
GGGGGCGGCAGCGGAGGAAGGACCGATGACACCAGCCGAAGCTGCACTACTAGAGACC
GGTAGAATGAATGAGGTCCCGGTACCTCGGCCGCTCTAGAATAAGTGGATCCCCCGG

Table 2

GCTTGCAGGGAATTGATATCAAGGCTTATCGATACCCGTCGGACCTTCGAGGGGGGGG
GGCCCCGGTAACCCAGCTTTTGTTCCTTTAGTGAGGGGTAAATTTGGCCGCCGCT
TTGGCCGTAATTCATGGGGTCATNAGGCTGGTTCCCTGTGGTGAAAATTTGTTATCCC
GCTCACAAATTTCCACAACCAACCATACCGAAGCCGGNAGNCATAAAAAAGTGAAAAGG
CCCTGGGGGGTGGCCCTTAAATNGAAGTGGAGCCTAACCTCCAACATTTAAATTTGGCCG
GTTGGCGGCTNCAACTTGGCCCC

Sequence 2614

CCGGGCAGGTACGCGGGGGGCGGGCCGAGAGGTGGTTACATTCGTTGAAGGACACCAGC
TGCGGAATTTGCGGCTTTGGCAGATTGAAATCATGGCAGGTCCAGAAAGTGATGCGCAAT
ACCAGTTCAGTGGTATTAATAAATATTTCAACTCTTATACTCTCACAGGTAGAATGAACT
GTGTACCT

Sequence 2615

CGCNGTGGCCGGCACGANGTACCGCTGGGGGTGGTGTCTTTGCTAGATGGTCACATTGAG
CTGNATGGNTGAATCCAGGGGTGCCTTNAGGATTNAGCNCCATGGCGGAAGACATGGTAG
ACCAAAATCAANAACATAATGACCGCCCTTTTGACAGCCGCTTTCCCAACAGGAAC
CNCGACTTNGAACTGCGGGCATAACTACCTGGACTTTTACNCGCTGTCAGTAAGGGC
AATGGACNCGCTTAAAGGGAGGGNGAATTATCCTGNNGTGCCGNAATGGGTNCCCTTG
CCCCGGGGGCGGNACGCATNTAANTAACCTAGTNGNGATTCCCCCNGGGGCGCTTG
GAAGGGAAAATTTCTGATTTATTCCAAAGACTTTTATTTGCGATAACCCCGTNCNNGAAC
CCCTTCCNAAGNGGGGGGGGNGGCCCGGTTACCCCCAAGGTCNTTTTGGGNT
TTCCCCCTT

Sequence 2616

ACGCGGGAGTGGGAGCGCGGGGACTGGCTGGGAAGCGGTGCGTCGAGTGTGGCCTGTGTG
GACTCGCATCTTGCCCGAAGCTGGGCGGAGGAGAGCTCAAGCTAAGGGTGATCAGCCCAT
GACCTAAACCTCCAGACAAAATAAACAGGGAAAATTTGCTAGAATCAAGAATGATGGAT
CCATGTTCAAGTTGGAGTCCAGCTTCGT

Sequence 2617

ACGCGGGGGCCTCTGTAAGGCACATGGAGGTGATGATGTTTCTTAGAGAGAAGATCACT
GAAGAACTTCTGCTTTAATGACTTTACAAAGCTGGCAATATTACAATCCTTGACCTCAG
TGAAAGCAGTCATCTTCAGCGTTTTCCAGCCCTATAGCCACCCCAAGTGTGGTTATGCCT
CCTCGATTGCTCCGT

Sequence 2618

CCGGGCAGGTACAAAGTCAGAACTGCCTGGATGGCTACATATACACCGGAAAACCTGGTAA
GTTTCAAACATTNCCTCTACAATCTTCTCTGTTTTTGGTTGGGTTTCATAGGAGGTTCT
GTGAGTAAGATTTTACAATTTCTGGTATCTATATTAAGTTTCTCTGGTCCAAATGTGTAG
TCCCACAGGTGTTTCATGTCATCCCAATTCGTACCTCGGCCCCGCTCTAGAACTAAGTGG
ATCCCCCGGGCTGCAG

Sequence 2619

AATTGGAGCTCCACCCGCGGTGGCGGCCGCCGGGCAGGTACCGCCTGGTCCCCGCGTGG
AGTCTTTACTCAAAACAGCTCCCGCCTCANGCCGAGATGAGGAGCCCTTCAGAATAGCTG
CTGTCTCTGGGAGGACCCGGGCGTCTTGGCAGCCAGCTGTGACACTGTGGCAGCCAGC
TCGACGTTCTTGCAAGGTCTACACACTGACCCCTTCCTAGCCAATAACCCGAGAGAAGC
GGGGCCTCGCCTTGACGGGAAGCTCAAGCACGAAGNACACCGANACTTGGCCTCTAGCC
ACCTGTGTTGAGGGGAAGGGGCCAAACCCGTGGAGGATCCTGGGGGATCATTTGTTTTCC
CTACAAAAGTTGAAAAGTTGAAAGCTTGGGTGGGTGGTCTCGGGGGCGGCCCTTCCATA
ACTTTTCTGGTTTGAGAAAAATCGGCNCTTTAAATCTTTAATTTGGATTGGATTGACCT
TTTTC

Sequence 2620

GCGGCCGCCCCGGGCGNGGTACCCAAAACANAGATCTAGCCANTCAAGTCTCTGTGNGCCTG

Table 2

GAGAGACTGGGCAGTTTGACCCTTAAGCCTGAAGATTCAACTGNCCTGCTCTTTGAAGCT
GACACAATNNACTCTGCGCCAGACCATCACCACATTTGGGTCTCTCAAAACCATTCAAAT
TCCTAGAGCACTTGATGGGCTCATGCTAGNTCAGCAAAATATTGGGCCCTTCCTGGAGAA
GAGAGGCTGTATCTCCATGCCAGAGCAGTAAGTCAGCATTCCGGNATTGTAGCTGGTCCC
TTTCAAGCGAAATGGCTCCTTTGGAAAGCAAAACCCTGGCCCAGTGGGTTTATCAAAGCC
TCCCTTTACATACCCCAAGGCAACCCGACCCCCAAGGNACCTGGGCTTTACCCCCAAAA
AGGCAAGACCTTGGGAAGGAACCAGGNCAGGACCTTTTCTTTCCAGGAGGCCCTGCCAA
TTTTCTTCAAATAAANTGGTGCAGGGGGGGGAAAAACCCTAAAAAGGGGGCCTTTNAAGAA
ANAACTGGGCTTCCCTCCAAGGAAGTGGAAAAAANCCAAGGTTTATTCAAAAAAAG
GTGGTGANCCAGGCCCCANTTTCCACCTAACCTAAGGTGTNCTTTTCTNCCANTTGG
AAAANTGGGNAA

Sequence 2621

AGGTACCTAGTTCTTAGGAAGGGGGAGGGCGATGGTGGTGGTGAGTGTAATGCGATTG
AGTTCCTTCGATGGCTGACCCTTTGGTTGTGGAAGATGTCAGGGCTTCTCTTGCACATG
TCCTCAGAGGCGTCGGGAGAAGGCTGGAAGGGGCAGGATCCTTTC

Sequence 2622

AGGTACGCGGGGGCTGAATAAAGCCGTGTCTCATCTACCTGCTGTCTCCCAAGTGTTCTT
CCAGTCCCTGCCCTCATCAACCCACTCTCCTCAGACCTCAGCTGGGGCTTGAACCTGA
TAATTGGTGTAGTCATCAGGATGAGATTTAGAAAGTGGTGGTGGCCCTCTTGTGACAGCAT
TTGGCAGTGTGCAGTTGGGCCATCAATAAATCCAAGGTCCAAGGGCCGGAATTGTCTGCC
AAATTCTTGGGAGTTATTTGCTCAGCCACAGGTTGGCATGCTCCAACAACATTGTGGAG
GGGCTCACACCTATGCTGAGGTGGCCAATGTCTCCAAGTGTAAAGATCTGCACCACTT
CCCAGCAGCAAGCTGTGGATGGCTTGGCCTGTCATNTGCATCCAGGCTTTTGTGAANAAC
TGGACATGGCTAGAAACTTGGGGGTCCCCACNGACAATGGGGCGGGATGCAACATGGTTG
AGCTTTTNGATGGGGGGTGTACAAAAACCCAATGGCAAGCCTGCCCCCCTGGCCTGGA
CTTCAATAAGCATCCCATGAATGAAATGGGGGGCTTGGCTTAAATGGGGGAGGAAAAAAC
AATGGGNNGNCCCCCATTTGGCAAAGTTACCTTGCCCCGGGGCGGNNCCGNTTTTAGA
AACTTANGTGGNATTCCCCCGGGCCTGCCANGAAATCCNANTTTTCAAAGNCTTTAN
TTNGNTNCCCCGTNNGCCCTCNGNGGGGGGGGGCC

Sequence 2623

CCGGGCAGGTACGCGGGGTGTGGTGGTTTTCTTTGGCACATTTGTTAAGTTTTCAAAT
GGGCCTAACTCTGCCACATATATAATATCGGAGATGGCAAAGGCTTGTGACGGAGATATC
TCTCTTAAGCCTTTCTGCATCAGAGAATGGCCCCACTGCTTCACACAAGAACCACCTC
TCCCGCAGTTCCCAAGGACTTGTCAATTCATGTTCTTATTTTAGACCTGTTTTGTAAATA
AAGCTGTTTCCCAAGGAAAGAGATCAAAAAAAAAAAAAAAAAAAAAAAAAAGGTCCCT

Sequence 2624

AGGTACCCAGCTACTCTATAAATTTGAGAGACCACAGTATGCTGAAATCTTGCAGATCA
TCCCGATGCACCCATGTCCCAGGTGTATGGAGCGCCACATCTCCTGAGATTATTTGTACG
CGGGGGGGCATTCTGAAGCTGACAGCATTGGGGCCGAGATGTCTCGCTCCGTGGCCTTA
GCTGTGCTCGCGCTACTCTCTTTCTGGCCTGGAGGCTATCCAGCGTACCTGCCCGGGC
GNN

Sequence 2625

AATTGGACTCCACCGCGGTGGCGGCCGCGGGCAGTTTCCCCCACTGTGATCTATG
AGGATAACCAGAGACCCTCTGGGGTCCCTGATCGGTTCTCTGGCTCCTTCGACATCTCCT
TCAACTCTGCCTCCCTCACCATNTCTGGACTGAAGACTGAGGACGAGGCTGACTACTACT
GTCAGTCTTATGATAGCAAGCCGATGTGGTGTTCGGCGGAGGGACCAAGCTGGACCGTCC
TAGGGTCAAGCCCCAAGGCTTGCCCCCTCCGGTCACTCTTGTTCCCGCCCTTNCCTTCTT
GAGGGAGCCTTNAAGCCAAACAAAGGCCACGCCTGGGTGGTGTCTTCAATTAAAGGT
GACCTTTNNTNACCCCCGGGNAGGCNCGGTNGACCAAGNTNGNCCCTTGGGAAAGNGG

Table 2

CAAGAATTAGGCAAACCCCCCGTTTCANAGGGGGCCGGGGGAAGGTTGGGANGGAACCCAN
CCCAACCACCCCTTTTNCAAAAACCAAAAGGNCAAAACCAANCAAAAGTTACCCCTTCG
GGCNCGGCNCCTTAAGAAAAACCTTAAGTTGGGGAATTCCCCCCCCGGGGNCCTGGCCAAG
GGAAATTTTCCGAATTATTCAAAGGCCCTTTAATTCCGGATTANCCCCGGTCTTNAACC
CCTTCTNGAAGGGGGGGGGG

Sequence 2626

ACGTTCTGTTCTTGAACAGCATTCTCCTCTAGGAGTGTCTGTGATTCCACAAGCAACCC
ANACATCAGCACATACTGAGGAAAGATCTTGCCTCCAGATTGTAGTAAACACCTGGATAT
TGCAGCTTTTCCATTATTTCTGCTGAATGAGCCAGATGGCTCAATGACATCCAATAT
AATTATGCTCCATAACTTGTCTGATTTTGGCCTTTGTAACATAGCAGATTCATCCTCCAC
ATGTCTCAGCCAAAACCTCAAGTGTTTCTTAGGAAAGTGATTGGCTTCAGATATGAGGTC
CAGAGCAATACGATGCTGGTCTTCTCCACAGAAGTGTATGGTTAACCTGCCCAAGTGT
GCCAGCAATAACAGGCAGAACAGAGAAGCCTTCGGACACATCTAACACGTAGAAAGGTTT
AAGGATGTTCTGT

Sequence 2627

CGCGGTGGCGCCGAGGTACNTTCATNCNTNNCAACCACCATAACATATTGGNNGNNGTG
CAGGGGGGGTNAANAAANAAAAATANTNNANNATGGNGTACCTTACTGATGACCGCCTG
CACAGATGGTGGGTACTATTGGGCTCTGTCTACANTGTGCTNTTATANNATANGNANN
ATANCAGGAATNTNANNNGNAGGNCAGTCTCCTNTTATTGNTGCTGTGGCCTANNATC
CAGNGNGCTCCCTATGTGCACGAGTCCCATTAAGAGGACCCCTTGGCCTANGGGGCG
GAGTGAAGGAACATGGCTGTGTTGCTGCCAGGCAGGCATAGGCCGAGGTAAAAATCCTG
CATGACACAAGTGGGATTAAGAGCACACGCGCACAATCCTGTGCCTGATATAATCACAGC
TAGGTAGACATAACACAAGAGAAGCTCATCATTGGCTCTCAGCCACTATCATTGTGAG
GTGTACCTGCCCCG

Sequence 2628

CCGGGCAGGTACTGGTCGGATAAGAAGTTCAACAAGGCTCTGCCGTCCACATTCTGGTTT
TGCTTGGTTTATCTTGAGAAAAGCATGAAATCTTGGTTTCTGTTTTTACATTTAATAAT
TGTTTCTTGCTCATTTCAAAGAAGTTTACAAAGGGAGGGTAGGTTTTTACCAAATCTTT
TGAATATTTAGAAAAATGTCAACCAATGCTTTTGCTCTCATCCCAATTAACATAAGGTC
TTCAAGATCATCCTTTATCTTAGTGTGTACCT

Sequence 2629

CCGGGCAGGTACCCGCGTGGCTAGGGGAGCCCTAGGAAGCGAGTATAGCTCTCGTGGCCN
AATGGAATGAAGCGAAGCCTTCATGTCAGCATTGGGCTTGCAGGTGCTGAGCCCCCGATG
GTGGCCCCCTTCTCCCGGCTTCTCTCAGGGGCATGGGTGGGGTGGAGATTTCAACTACT
TCCAACGGAAACCAACACTTGAAAGGTTATGAAGGCCCTAAACCTCCTGCTCTTCCATG
GNGATGGCTGACAGCTAAAGCCCACTGCCACTACCCTAAGCCCAAGCTTGATCACCTGG
AAATGGGGACTGAGAGAGGACGAGAACAGCACAAAGCCTTTGAGCTCTCATGGGGTGGCGT
AAATTTATGGTCAATATGCCTCCAGATCAGAGGTCTGCTGTTAGAGAGTTTTCTTTTT
TGCTTTAGTGTACCTCGGCCGCTCTAGAACTAAGTG

Sequence 2630

TGGAGCTCCACCCGCGGTGGCGGCNCGANGTACAGGCTGGGCCAAATGTCAGAATCAAGG
CANCNGNGNGGGGANAGGCAGGGCTGNAANAGCNNTNTCATTTGCNCCANTTCTCTCAAG
AGGCAAATCTTCTAAAAATCATCTTGACGCCNCGCAGCCATCTAGCCTCAGTNGCATGA
GNAGNGGATCGGATGNANATATCCTTCATGGNNGNGTCCAAAGTTCCCAAATCTGGNAAA
GCCATTAATTTCCAACCANTCCAAAAAATTATTTGGGCAAAAAATAAGGGGANAATGGCC
CTAGCCATTTTTATNGGGGACCATTTCAATTGNACCCTCGGTGGGGAAAAAGNTAATTA
ATTTTTAAAAAAAAGTTGGTAAAGGTTCCCTNGNAATNTTAAATAATTTTNGANAAA
TTTTNGGACCCAAATTTTTNAAAATTACCAAATTTTAAAGGAAAAAGNAAAACCCCAN
NAAAAAAGNCAAAATTGGGCCTTTAAATAAAAGGTTTAAATCCTTTCCGGGGAAACCATT

Table 2

NACCAAAATTAATTTTCAAGGATTNCATTTTGGCAAGGTTTNTAAAAAGGGTGGTGGG
ATTATAAAATTTTGGAAATTTNAAATTCCAAAGGCCAAATTTTGGANTTCCCCCATTT
CCTTTCAATTTTCCCCCTTGGCANAAATTACCACNTCTTGGTNAAGCCACCATTATTAC
CACCGGTAACCCCTTGCCCCCGGGGGCCGGGGCCCGCTTCNTTAGGAAACCTTAGGTNGG
GAATCCCC

Sequence 2631

AGGTACATGAGCAGGCTCAGCCTAGGGGAATAATTGCCGNNGGGANACTNNGGGGAAGCC
NNNANACCATNNNTNTNCCAGGAATCTGCGACATCTCCAGGGCATCATTTGAGTCCTGCC
TTCTCAAAGTACCTGCCCCG

Sequence 2632

TCCACCGCGGTGGCGGCCGTCCGGGCAGGTACGCGGGGAAGACGACGTACCAGCCANGNG
GGGNGGGGGCTTTGGANAAAAAAANTNTTTTTNTTTNGCCGAACCTCTGTGAGTCCA
TGAAGCTGGATTGTCCCTNGACCTCTTTGAGGAAGGAGAGGGTTGCTTCTAACTGGTCC
TGGGAGATNCCACTGTGATGTATCCCGGGATGAAGACACAATCCTGGTTACTTTCATAGC
CCCGTTTTCTTNCCCAGCCCTTGACTTNTCAAAAAGCCACTGCCACAGAGGAGGAGGCC
AGCAANAACCCCACTTTCAGGCTTCTTTAGGGACTCTGCACCTTNNCCCAGGAAGGGAA
AAGANATTTAAAAAANTTGAATTTTGTTCNANGGGAAANGCCANGTTGGACCCTTTC
CAAAGGGGACNGTTGGGGCCTNGTTGGGCCCTTTTCCACCGGGGAANGGNAATGGAAAAT
TTTGGGGGCNTNGCCTTGGGGCCCCCTTGCCCCCAGGAAGGGAAAAGCCTTGGNTNCC
CCTNTGGGNCCCGCCTNCTTAAGGAAACCTTANGNGTGGGGATTCCCCCCCCGGGGGGC
CTTCCAAGGGAATTTCCGTAATNATTCAAAAGGCCTTTATTCCGGATTACCCCGNTNCN
TAACCCNTCTNGAANGGGGGGGGGGGCCCCCGGTTNCCCCCAACCCTTT

Sequence 2633

CCGGGCAGGTACGCAGGGGGCCTCTGTAAGGCACATGGNNGNGAGGGGGTTTCTTAAANA
GAANATCACTNNNGAACTTCTGCTTAAATGACTTTACAAAGCTGGCAATATTACAATCC
TTGACCTCAGTGAAAGCAGTCATCTTCAGCGTTTTCCAGCCCTATAGCCACCCCAAGTGT
GGTTATGCCTCCTCGATTGCTCCGTACCT

Sequence 2634

ACCGCGGTGGCGGCCCGAGGTACCAGGCTAAGTTGCTGCTAACACTCTGACTGGCCCTGC
AGGAGAGGGTGGCTCTTTCCCCTGNANACNCAGACAGGGTGGCTGGAGACTGCGTCATCA
CTATTTCTCCAGTGGTATCTGGGAGCCAGAGTAGCAGGAGGAAGAGAAGCTGCGCTGGGG
CTTCCATGGTCCGTCTGGGNCCTAACTGAGCAGTTCCCCCCNGCCGT

Sequence 2635

TTGGACTCCACCGCGGTGGCGGCCGAGGTACTGTGCGCTGGAACCTCCTTGGGCTCAGCT
GCTNGCNGGGAGGNGAATNCTAAATATAAACTATGCCCTATGCTTGCCTCTAACTCTTGG
GGGACCTCTACCATACATCTGTATCATGATAAACTGTGTCATCACTCCCGGTACCTGC
CCG

Sequence 2636

ANCTCCACCGCGGTGGCGGCCGACGTACCCGGNANGGCTCATGCNCGCAAGTAGGTNNG
GNGGGGNNGNANANTCCCCNAACAAAAAATAANTTTTTNTCCTTTCATGATACCGCCC
TCATAATCATTTTCTTATCANGCTTCTAGTTCTGAATGCCCTTTTCTAACNCTCNC
AACAAAATACTAATNCTAACATACTCAANACGCTCAGGNAAATNNNNAACCCGTCTTN
AACTATGCTNGGCCGGGCAATTCATCNCCTTAGTCCTTTANTTGGGCCCTCCCNATTCCC
CTTNNCGCATTNCTTTTACCANTAACCAGGACGANNGGTCCANACCGATTNCCCCTTCCC
CCTTTANCCCATTTCAAAAATTCCANATTTTGNCCCCACCCCAAATTGGGTTATCCCCT
TGGCCCCCGGGGGCCNGGGCACGGCCTTCTTTAGGNAAACCTTAAGGTGGGGANTCCC
CCCCCGNGGGGCNTGGNANNCGNNAATTTNCGAANNTATTTCNNANNACCCTTTTNC
CGNTTAACCCCGGTCCNGGACCCCTNCCCATGGGGGGGGGGGGCCCCCCCCGNGTTTACC
CCCCAA

Table 2

Sequence 2637

CGAGGTACGCGGGGGCCGACGGACTGTGTCCGGCGATGGGCACGGGCATNTNTTCGTTNA
TAGNTNANTGTTTGCATTCTGATTGGGAACACTGGGATCATTTTCATCATGCCGACAGTG
GTGGTAATGGATGTATCCCTTTCCATGACCCGACCTGTGTCTATTGAGGGGTCCGAGGAA
TACCAGCGTAAGCACCTAGCAGCCCATGGTTTAACGATGCTGTTTGAGCACATGGCCACA
AATTACAAGCTTGAATTTACAAGCACTTGTGGTTTTTTCATCACTTTGGGGGAGTTTGAT
GNGTCCCCNTTCACGGAGAGATTATAATTACCCCTACAGGGAAGGCACTTAAGTAAATAT
GGGGATGAATTANTGACCAAAAACCTGCTTGGGAGGTCCTGCAATTAGTTTGGTGTG
CAAATATTCGGTTTCAAGCAAGGAATGGGGGNGGGTGCCAAATCCCTTGCCCAAGGTTG
TCCCTGGTTGACAGACGGCTGTCTTGGCATTGGGTAGGAGGGGGTCACNTGCCGACCA
TTCCCCCTAGCCCACTCAAAAAATCAAACGNAAGTGGAGGANGCAACAGGGNTTCCACT
TACCCTTTTCCCTTTCCCCATCTTAANGTTATTATAATCCATTGGTGNCATNGGCCGAA
ATTT

Sequence 2638

CCGGGCAGGTACGATGTTTAGCAGTATCCTCCCTTCTCCAATNGTGACAATCAAAAATGA
CTCTAAACATTACCATTATTACCTAATTGAGAAATGCTGCTGTAAGCAAAGCTGCCCTTT
GCCCTGGAGGGAGGCAGTATCTTTCTGTGAAGAATATTCACGATACAAACATTCTTGGAT
AGTCAAAACAAAAGGCAGTCAGTGTGTTTGCACAAAAGATGTGCAGAAGTGTGTACCCA
TGGAGAATTGTCACCGAAGAGAATCCTGACACCCATTAGTCTCTTTGGATAAAAGTTACC
TATCACCCAGGCAATGTTATTATATTGACATTATGCCCTCCTGTAGGGTACCCTCGGCCC
CGCTTCTTAGGAACCTTAGTGGGGATCCCCCGGGGCTTGACAGGGAATTTCCGATATCAAG
CCTTATTCGAATACCCGGTCGACCTCGNAGGGGGGGGGCCCCGGGTACCCCAAGCTTTTT
GGTTCCCTTTAAGTGGAGGGGTTAAATTGGCGCCGCCCTTGGGCCGTTAATCAATGGGTCC
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CCNAGCCCCGGGAGCCATTAAAAGTTGGTAAAAGCCCTGGGGGGTGCCCTTAATGGAGGTG
ANGCTAACTTCACATTAAATTGCGTTTGGCGCTTNACTGCCCCCGCTTTTCCAAGTTCN
GGGAAACCTGGTCGTTGCCANGCCTGGCAATTTAATGGNAATTCGGGGCCCAACNCC
CC

Sequence 2639

GCTTTTCTGCTATCCTCCATGCAGTGTNATAGNCANGGAAAAGGGCAACAGNATTGGATC
ATTCCTTAGACACTAATCAGCTGGGGAAAGAGTTCATTGGCAAAAGTGCTCNCCAAGAA
TGGTTTACACCAAGCAGAGAGGACATGTCACTGAATGGGGAAAGGGAACCCCGTATCCA
CAGTCACTGTAAGCATCCAGTTAGGCAGGGAANGATGGCTTTTGGGGCANTGGCNTGGAT
GTAAAAGCCAGATTTGGAGGATACCCAGCTCCGGGAAACGAGGCCCATCTTTCTACCAA
GGGTTTCTTTCCCTTTCACTTGAGGACCAAATGGAAATTTCCAGGGGTGGATTCAATTTCT
TNTTGNAGGGGGGCCCTTGANAAAGGTTGCCTTTCCCTTCGGATTTTCAACCTTACCCAA
CAATTTAGNCTTTGGGCCCTCCTCTTGGTTCTTTCANNAAGGGGGTATTCTTCTTTAAA
NAAACCTTAAGGGGGGGCCTTTTGGGGTAATTATTAATTGGTTGGGGTNCAAAAAACCC
GAAATTTAANNNTTCCAAATTNAAATNGGGGCTTTTCCNAANNCTTTTGGGCCTTGG
ANTGGAACCGTTTCCCCCACTTTGAACCANGAANAAAAANGGGGGAGGGCCNTNGGTTA
AANGGAAACCTGGGGGTTCCCTTTCTTNGGGGTTAGAAACNCTTTCTTNGGGNAAGCTTC
CCTCCNAGNGCCTTTGGACANNGGCTCNTTGGGGGNAAAAGGGNC

Sequence 2640

GGAGCTCCACCGCGGTGGCNGCCCGCCGGGCAGGTACGCTGGGCTCCTACTTGGATAACT
GTGGTGNANNNTAGAGCTAATACATGCCGACGGGCGCTGACCCCTTCGCGGGGGGGATG
CGTGCAATTTATCAAGATCAAAACCAACCCGGTCAGCCCCCTCTCCGGCCC

Sequence 2641

CNGCCGGCACCTTGGCCGCNTTCAGAGTGCCNATGAGCTCCCCCAGACTCTGCTTCCGCC
CGTTATCTTCCANTTTCCCCAACNAANAACCTCCTGGAGGGCGCCATGGCGCTNGAGC

Table 2

CNAGGCTCTGANNGTCAGTGTCTGCCCCGCGTACCTCN

Sequence 2642

ACCGCGGTGGCGGCCGGGAGGCTGACNAGAGCCGGNAGGCGTTAGCGAAGGAAGAGA
AAANCCGAAGACGAAGCCACTACAGCGTCGCAGCGCGCGCGCTGCTTTATAGGAG
AGGGCGCAGGCCCCCGCGTACCT

Sequence 2643

CTCCACCGTCGGTGGGCCNGCCCGCACCAGGTTACATATCCCAAGTTTTGGGTTT
TCNAAAAAATCCACCAGGGGGCCNAATNGCAACCTCAATCNACTTCTTAGAAAAAGG
NCANGGCTTTNAGGCCTACCCCTGGNAAANGATTTTTCCCTTTTGGAAAGNTTTAAAG
CGNNTATTGGNTTTNGAACNTAAACCAAANGAAATTTNCCCTTACCANTNNAANGAAN
AACCTTCTTAAGGGGGTGGCCTTATTAATTATATTCCCAAAAAAACCTTTTTTTCANN
NCCCTTGGTTTTGGCNTNCAATTTCTGGNNNCCCAATTGCCTTGGGGCNNAATTAN
AATTAACACCTTTGGTGCCAANCNCCCATTTTAACCCCCCTTTAATNTTTTGGANAA
NATGGCCTTCCCAATNCCTTCTCCTTGGGNTGGGGGGGAACCTTTTGGTGAATTACNTTT
GGGGGCCCTTGGGCCCAATTTANTTNCAAGGAAAACCAANCCANAAAACCCCNCCCTTGG
AAAANGGAAGGGGGGTTTTCCNTGGAAATTTTTGGGAAANNCCATAANNNNANTTTNTT
TTNNTTTTCCAANTGGGCNCCCTAACCCCCCTTTTTTTTTTTTTTGGGGGAAAAGGGT
TTTTCTCCCANGGCCCCCGCCAAAANTTTTTGGGNAAAAATGNN

Sequence 2644

CCGGGCAGGTACGTGTAAGAACTAAATGTCTTTGTAAATCACTGAGTCTTCCTGTTTAT
TTCTGGTTAGAGATCTTTGGGGGCTTGGATGGAGGAACAGGAAAAGAGGAGCCAGGCTT
TTTGAAAATTGGCGGCAGCGGTGGCATACGGGAACTGAAATCTTATCTAATCTCATC
CTTTGTATATTCGTCTTGGATTTGCTGAAGAAAATTAAGGTAAATTTGCTGTGAGCT
CACTGAACCTCAAATTGAAAGGGAACATATGCTGTTTATTTTTGTGAAGGACATTAATTGG
GTGTGACTGGCAGGGTTGAGACCTGAAGTTCCTCTTTAGATAAGGAAAATTTCCCTTGG
TGAGAAATCTCTAGACTAGTTATGATAGATTCTTAACCCCCAACCTTGAAAGGTAACCTA
AGGCTCCCTNCTCTAAGGGAAGGGCTGAAGAAAAATTAACAGGCACTGTGCCTATGAA
GATTTGCGAAAAAACAAGAACATCTAGGANACTTCTCATTCACTGGGTCAAGC
CAGAGCCATCAACTTTGTGACCTANTGAGTGGTTAGTGGATATAGGCAAAGGGTAGTAAC
TTGGGACCCAGANGTTAGGGGATNCCGAAAAGTTGAAAATGTAAAGACCAAANGCCAGA
GGGTATAACCTTACNNGCTCTTGGGGAAAGTANGGAAAGCCCCAAAANTTGGGGCTCCC
CAAAAATAAAATNTTTTAGGAACCTGNGGGTNTTAAANNACCTTCCCAAAAGTNAA
GTANCTTTTTTTTTTTT

Sequence 2645

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGTGGATTCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTAT
GCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAG
TTGTCTGGGTTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCACAAGAATTCAACT
GGATCTGGAAGAGGAAAGAACTGATGGTGTCTTAAGTGAACCCCATTTTGATTGANACCT
ACACAGGGCTTGATGTCAATTCATTGGAACCCGCAACAAAACCTTGGGCTTATTCCTTT
GCCCCGTGGGGANGTATTTGGTTTTTTGANAAGTCTTTTTTGGGTNCCCTNCGGCCCGC
TNTTAGAACTAANTTGGGATCCCCCGGGCTTGCAAGGAAATTTTAATATTAAANCTT
ATTNGANACCCGTNGAANCTNCNAGGGGGGGG

Sequence 2646

ATTGGAATCCACGCGGTGGCGGCCGAGGTACTNATTTTTTTTTTTTTTTTTTTTNGN

Table 2

GGGACNANAATNCCCGGGTNNNAAAGNAAANTNTTTTNNNCNCCTGCTGCCTTCCTTGGA
TGTGGTAGCCGTTTCTNAGGCTCCCTCTCCGGAATTCGAACCCCTGATTCCCCNTCACCCG
TGGTCACCATGGTAGGCACGGCGACTACCATCGCCGCNTACCTGCCCGGNGCGGCCGCT
CTTAAACTAGTGGAATCCCCCGGTGCTGCAGGNAATCTTATNTCAAAGCTTATTGNT
ACCGTNCNANCTTCAAGAGGANGGGGCCCGGTNCCCCAAGCTTTTTTGT

Sequence 2647

GCAGCTCCACCGCGGTGGCGGCCGAGGTACCACCAGCGAGGTCTGGGCCACTTTAAGNNN
AGCANNNTGTCCACCCAAANACCGATGATGGCTCCCAGGACCAGAACAGACCCTGCCAC
CACCAGCCCGTAGACTGCTGTCAAAGGAGGCTGTTTCCATAGAGCTCTACCAGAAACAC
ANGACACCCGCAAAGTGCCACATCCGATCTCCCCAAGTAGAGAGAGAATGACCAAGGTAA
GAGAAGGAATTTTGCAGAAGGTCAGGTAGTCGGCCCAAGGATCCACAAGCATTCTCTT
CTGGCGGTTGTGATCTCCCGCCCCCTGGGTCCATTGACACTTAGGGCCGACCCCCGCTTGG
CTCTTTCTNGCGGCTTGCTTATCCGCNTGCTTGCTTCTCGCTTGAAGGTGCTTGGTT
AAACCAAGGGAGTTGCCAAGGGGAACCTTGGGAGAATAGCCACCTCTAAAAAACCAAA
CAAGCCCTTTGGGGCCAAAAAAGACTTTCAAACCGACCGACTTTTTTGGGCCCAAGAG
NAAACAAAAAGGNAAAAAGGGGGGCCCAAGGGGGGANTTTTTCTTTTTTTTNCCTT
CCTTTTTCAAACCCCTTANNCCTTNAACAACCTTGTTAAGCCTTGAAAAAGTTTNGGGA
AAAGGGGCAAAAAAGCCCTTNTTNGGAAAGNCCGGNTTTTTGGGGGAAGGGCNTTCAA
CCAANGGTTCCGNTCCCGAAAACCTTANCCNGGGAACCGCCCCCTTGAAACCAAAGC
TTTTTTTTTTCCGGCCC

Sequence 2648

AGGTACTATCCTAGACAGCTCTGGGAGTGTTACATAACGTATGGTAAGTGTGCTACATGG
CCTTCTGAAGCCCAAACCATTTTGCAATTATGAAAATACCTGGCCCCAGGAATTTAGAT
AAGGGATTGTGGACTTATATTTAAATCTGTAACCTATAGACAGTAATTTATAGAGC
CAGCTTCATGGAGTTGTAATATTACTGGGCTAGGGTCAGTTTCTCATTTTAGGCTTCC
TTAATCCAGTCCAGACACCAAATTAATGTCTTTGTGTAGTCCCTTCAAAGCCTCTTG
CAATCCAGTCATGCTTCAGGGTAGGGATGATCCCATTAATCCAAGGACCTGTCCCTAGT
GATAGAAGGAAATGGGTGGGAGCCACGGGATCTGGGATTGCAGTGAGAAGTAGACAAGAA
AACCAACCATACAAGTGCCTCTTCTCAGGTGTTTTCGGATTGCAATANGAACCCTGGC
CACCTCAGCACCCGATGTCCCATCCTGTCTGTGGAGGGCTGGCCAAACGCTGGCTGG
TTCTTGCTGGGAGGGTTGGGCTGGATCCTCATGACCGGAANNAGACATTTTGG

Sequence 2649

CGAATTGGACTCCACCGCGGTGGCGGCCGCTGACACGGCTTCCTGGGCGGTCCCCTCCAC
CTGTTGCTTCAGGTCTGCGAGCCCTTGTTGCCATGGCTTCGGGGTATCTGTGGAGTCG
TCAAGAGCAGCTGGAGCGACGTTGGATCCTGCCAGAGTCCCCGCGTACCT

Sequence 2650

CCGAANTGNGCTGGCCTCATTTAAGAATGAGGCTTCTGCTGCTTCTCNTAGTGGGCA
GGCCGTNATGCNATGGTCCCGGAGCCGAGGCCTTCGGCCAATCTTGGGGCGGCGGTGCC
ANNCAAGGAGATTAAAGGATGCCAGTTACCCTNGGGCCCGCTTCTTAGAACCTAGTGGGA
TCCCCCCCCGGGGCTTGCAAGGGAATTTTCGNATNTCAAAGCCTTTTATTGGGATTACCC
CGTTCGGACCCCTCCGTAGGGGGGGGGGCCCCCCGGGTTAACCCCCAAGCCTTTTTTGGT
TTCCCCNTTTTTANGTTGGAAGGGGGTTTTAAATTTTGGCGGCCGCTTTTGGGGCCGGT
TAAATTTCAATTGGGGTTCCAATTAAGCCTTGTTTTTCCCTTGGTTGTNGGAAAAAT
TTTGGTNTTAATTCCCCGGCCTTCAACCAAAATTTTCCCCAACCAACCAAAACCAATTA
ACCCNNAAGNCCCCGGGGGGAAGGNCCATTTAAAAAGGGTGGTTAAAAAAGGCCCTT
GGGGGGGGNTNGCCCCCTTAAAAATTGGAAGGNTNGGAAGGCCTTTAAACCCCTTCAA
CCAATTTTAAATTTTGGCCGGTTTTGGCCGGCCCTTCAACCTTGGCCCCCGGCNTTT
TTCCCAAAGTTTCCGGGGGAAAAAACCTTGNTCCGATTGGCCCCAAAGCCCTTGGCC
AATTTTNAATGGGAAATTCGGGGGCCAAACCGGNCCNCCCGGGGGGGNAAGNAAGG

Table 2

GGCCGGGGTTTTT

Sequence 2651

GGCGGCCGCCCCGGGCAGGTACGCGGGAGCCTAGCACCGAGCGAGGCCCGCGGCTGGGAAG
GGAAGGAGGCGGGTGGATCACGAGGTCAAGAGATCGAGACCATCCTGGCCAACATGGTGA
AACCCTGTCTCTACTAAAAATGCAAAAATTAGCTGGGGGTGGTGGCGCGCGCCTGTAGTC
CCAGCTACTCGGGAAGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGCGGTAGGTTGCA
GTGAGCCCGAGATCGCACCACCTTGCACCTTCAAGCCTGGCCGACAGGAGCGAGACTCCATC
TCAACAGGANTAANAAATAAANGGAAAAATAAAAGTACCTTNGGCCGCTCTTAGGAACCT
AGTTGGGATCCCCCGGGCTGCAAGGGAATTCGATNATCAAAGCTTTATTTCGNATACCC
GTCCNAACCTCNAAGGGGGGGGGGGCCCCGNGTACCCAGCCTTTTTTGT

Sequence 2652

GCGGTGGCGGCCCGCCCGGCAGGTACTTATTTTTTTTTTTTTTTTTNTTGGGNCNNACGA
AATTATTTATTGCTGTCTAGGAGGCCAGGACCTCCANACTGAANAGTCCATGGGCCCT
GTGCATGTGANAGCTACACAGGAATCGCTGTCACCTTCCAAGGATAAGCANACAGGGCC
ACACATGCCATGGCCACTCGGTGCACAGGGACCAGGCTGTGCCANAGACCCAGGCATCC
AGCTTGCAATCCAAGTTCCTTACTGGAGAGCCCCACCTGCTTGGATGGCAANCNCTAGGC
TTGCTTGGGGATTNGGNGAACTTTCNTCATGAAANAANAATGTTCTGGGNTGTCTTGT
AGGGGGACAATTGATTCATCAGGGAAGGGGCCCTGTTTGNAAACCGCCACAAATGGGTT
CCTTTGTTCTCCCAACTAATTGCCAGAAAAAGGGAGGGGTGGANTTTTGGACTTGCTTGN
TGGGCAGACAAGAATGCCTTTCTTGTGGCCCTCCCTTTNAAAATAACCCCGNGGTTAC
CCTTNGGNCCGCTTCTTANAAAACCTTAGNGGGGANTTCCCCCGGGGGCCTGGCAANG
GAAAATTTCCGAATNNTTCAAAGNCTTTATTCGAANAACCCGNTCCGGAACCTTCTGA
ANGGGGGGGGGGCC

Sequence 2653

ACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGGCT
AACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCAC
GCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTG
GAGGTTGCAGATGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCCGACAGTAGCAAG
GACTCCATCTCAAAATAAAGAAAGNAAAGNAAACATAAGGAAAAAGGAAAAGCTTTATNTT
GGAACCTTCTCTTAAAAAAGGAAAAAAGGAAAGCCTGATGCACACAAAATCTAAAA
TTTGGCAAGGTCCGAATCAATTTAAAGGGATATTTTATTTGGCATCCACCAAAAATTA
TTTCTTTTACTTCCCCCCCCAAAAAATCAATAAAAAAGTTTCAAAATTAGCCAACCTTT
TTCCCTAAATGGTGTTTTAAAAAATGGTTAAATTCCACCCAAAATTACCATTTGTTGTT
CCCCAACTTTTCTTTTCCCAGTTTAATTAATTTCTTAATTGGGGGGTAAAAAGGTGG
GAGGGTTTACCCCTGGAAAGGTTGGAGGGGCAANTTAAAGAANGAAGTTTNGGAGNCT
TTCAANNAACCCCTGCCCTTGGGANAANGAGCCGTGGTTTCTTTCTTTAAGAAGTCC
TTGAANGGAAAATNGGTTTGGGGGGGGCACCAAAAATTTCTCNTCAAAATCTTTTTTC
TT

Sequence 2654

TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCT
GAGGTCAGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAAT
ACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAG
GCAAGAGAATCCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACT
GCACTCCAGCATGGGCCGACAGAGCAGGACTCCATCTCAAAATAAAGGAAAGGAAAGGAAA
CAAAGAAAAAGAAAAGCTTATATTGAACTTCTNTAAAAAAGGAAAAAAGGAAAGCCTG
ATTGCACACCAAAATCTTAAATTTGGCAAGGTGATCAATTTAAAGGGATATTTATTTGC
ATCACCAAAAAATAATCTTTACTTCCCCCCCCAAAAATCAATAAAAAGTTCAAATAGTAA
CCTTTTCTTAATGGTGTTTTAAAAATGGTAATCACCCAAAATTACCATGTGGTCCCCAA
CTTCTTTCCAGGTTTATAATTTCTTATTTGGNGGTTAAAGTGAGGGTATACCCCTGG

Table 2

AAGTTGGAAGGGCCAATAAAGAAGAGTTTGGAGCCTTCANGACCCTTGCCCTGGGANAAG
AAGCCGTGTTTCTTTTCTTAANAAGTCCTGAAGGAAAATTGGTTTGGGGGGGCCACAAAA
ATTTCTTCTCAAATTCCTTTTTTTCNTTTTTCC

Sequence 2655

GGGCCAGGTTTCCAGGTGAACAAAAAGTTTTACCNGGAANAGCNGGGGGGAGGACCCAAG
GAANAAATAAAGNAGCCTTNAGGGAATGNAGGGGATANAAGGAAAAAAGGATTTGGAG
GAGGAAATTTTGGTGGCCCCCCCCANACCCCATTTTCCCTCAAGGACCTCTAAAGGAAAA
AGGAACCACCGCCTCTTCTCCAAGGGCAAGGGTCTTGAAAGGCTCAAACCTTCTTATT
GCCTTCACCTTCAGGGTATTACCTTCACTTTTACCACAATTAGGAAATTTATAAACCTGG
GGAAAAGGAAGGTTGGGGGGACANCAATGGTAATTTTGGGNGGAATTTACCATTTTTTA
AAACCACCATTTAAGGGAAAAAAGGTTTGGCTTATTTTGGAAACCTTTTTTTTAAATT
TGGATNTTTTTNTGGGGGGGGGGNAGGTTAAAAAAGGNAAATTTTAAANTTTTTTGGGTG
GGAATGGGCCAAAAAATTNAAAAATTAATCCCTTTTTTAAAAATTTGGGAATTCGGA
ACCTTTTGGCCCCAAAAAATTTTTTAAGGAAATTTTGGGTGGGTGGGCCCATTTCAAANG
GGCCTTTTTCTTTTTNTTTTTNTNCCTTTTTTTTTTTTAAAGGAAGGAAAAGGTT
TTCCAAAATTAATTAAGGGCCTTTTTTCCNTTTTTTCTTTTTNGGGGTTTCCN
TTTTCTTTTTCTTTNTAAATT

Sequence 2656

GGCGGCCGAGGTACAGCCTGCAACTGTGGCGCAGGCGCAGAACAGGATTGAATTCGCTA
AAAAGACAAAGGAAGAAAAAGTACGGTCTCTGTCTCAGGGCATTGCAACCCATTAGGCT
GAATCACATGAACTGCAGATTATGCAGGTAAATATGGCCACATATCCACACCTTCACAG
GGCTCTGCCTGACACACGGAGGACACAATCACAAGAGCCAAAGCAGGGAGGGGGCAGGGA
AAAAGTGGACACAACCCACCCAGTCCAGTGGTGC GGATCAATAAATCGAGACTTACGGC
CAATCTGAAATAGATTCTATTCATGAAAGTCCTCCAGAAACAACATTCAGGATGACGGC
ATCAGTGTTAGCCAAGTCCCGCGTACCTGCCCG

Sequence 2657

AGGTACATTTTATCAAGTTACCTATGAACCGATGTATTTCTGTTCACTTAATACCATTAC
TAAATTCAGTTATTGACCTAGTCAATAACTGCCCAACTTCACATTTACATACAGTGAAG
AAACTCTTGTTTCAGCATTCCTTTTTTGGGTGGTGGTTGTTGTTTTGTTCTTTTTT
ACACAAGGCAATCCAACTGCCCAATCTACTCCATCCGAGCCTGTGTGCAAACCCCTTTT
CCCACACCCTGAATTTCTTTCTTCTTAACGTCCACCAATATGAGTCAAAGGATCTTT
TTACAAAGCTATGGTTACAGCAGAGCCACATTCCTCCAGAACTCGTGTAGAGTTGCTTG
TCTCCAAAGCCCCACCTGGGTTTCCACCATATGCTTTCCGGTCAACGACACTCACCACAGC
ATCCTCTCTGGCGGTTGTGATCTCCCGCCCTGGTCATGACACTAGGCGACCCCGCTGGCT
CTTCTGCGGCTGCTATCGCTGCTGCTCTCGCTGAGGTGCTTGNTTACAGGGAGTGCA
AGGAACTGGAGATAGCACCTCTAAAAACACAACAGNCTTGGGCAAAAAAGACTACAACGA
CGACTTTTGGCAAAGAAACAAAAAGAAAANGGGGCCCCAGGGGATTTCTTTTTTCC

Sequence 2658

CCGGGCAGGTACAGATGGAGGGGCTGGCCCATGCAGGGCCTCGGGGTGAGGTTCACTAGG
ACTAGCTGCAGGGGGACCTGGCTACACTCTGTGGCACACAGGGCTTCACAAAATGGACA
CTACACCGTGACGTGGGCTGAAAGGTGGAGCAGAGACTGGGTGGGAGTGTGAGTTGCACG
TTGTGGGGTAAGGGGGAGAGGGAGCAGGACAAGTGATTATGTACCTCGGCCGCTCTAGA
ACTAGTGGGATCCCCCGGGCTGCAAGGGAATCCGATATCAAGCTTATCGATACCCGGTC
CGACCTCGAGGGGGGGGGGGCCCGGTTACCCAGCNTTTTGTCCCTTTAAGTGGAGGGGT
TTAATTTGGCNGCCGCTTGGCCGTAANTCATTGGGTCAATAAGCCTGGTTTTCTGTGT
GNAAATTTGTTATCCCGCTCAACCAATTCACCACAAACAATACGAGCCCGGGGAAGCC
ATTAAGTTGGTAAAAAGCCCTGGGGGGTGGCCTTAAATGGAAGTNGAAGCCTAACCTT
CAACAAATTAATTTTGC GTTTGCCGCTTCAACTTGNCCCCGCTTTTCCAAGTTCGGG
GNAAAAACCCCTNTTCCGGTGGCCCAACCTTGCCAATTTAAATTGAAATTCGGGCCCC

Table 2

NAACCCCN

Sequence 2659

ACATTCCAAACACTTTTTCATAGAATGGTTGTAAACATGCTCCCTATTTCTGCTTGACAT
GTTACATCACAGTGCTCTAAAAGCTCTGTCATGCGTATTATACTCTCAGCATCCTGGATA
ATAGAGTTCATCTCCAGTTCAAATTCCTCCACCAACCAGCTTTATCTTGTTTCCTGCAAAA
TCATGGAGGTTTGGGAAGTTCCTTTAGACCCATTCTCGTATGGAGGTTTGTTTCTTCTT
TTTTCTTTCCGCGGAAACCTGCCTCCTACTCCACCATCACATGGAACCCACCAGTCTTC
TCCGAAGCTCGCTCTGACCACGCCGCTGCTGCTGCTGCAGGGGCTCGCAGGAAGTGCCC
CCGCGT

Sequence 2660

CCGGGCAGGTACACGACAATTTTTGCTCCACCAAACACTTCAGATATGGAAGCTGTGGTA
AGTATAGAAGAAGAAATTTGTTTGGGAAGTGGAGTTTAAACTGTGGGTGTTGTTTAGCAG
TCAGTAGAAAACTTAATTTCTAAAACTAAAAGTTAAATTTAGGTTTTAAAAAACTGC
CAATTTCTTCATTATAAATAATCCTAACTTAAAGAATGAAAGAATTTTTAAATAGTATTT
TTTTAAGAAACAATTTAGAAATGCTGCTACTGGCCTGGTGCAGTGGCTCACACCTGTAA
TCCCAGCCCTTTGGGAGGCCAAGATGGGAGTATCTCAAGCCCAGGAGTTCGAGACCAGCT
CAGGCGACATGACAAGACCCGTCTCTACAAAAACAAACAAACAAACAAAAACAA
AAAAACCACCACAACAAAAATGAGCTGGGTATAGTGTGGACGCCTGTAGTCCCAGCTA
CCCAGGAGGCATGGGAGGATTGATTGCTTGAGCCAGGANGGGCGACTGCCTCCAGCCTG
GGAAACAGAAATGAGACCAACTGGGNAAANAANNNNANTNANNNNNNNAAGTCCCTCGGCC
CGCTCTTAGAACTAGTGGGTCCCCCGGGCTGNANGGGATTTCGATTTTCAAGCTTTTT
CGATACCCGNGCACCCTTNGAGGGGGGGGGCC

Sequence 2661

AGGTACGCGGGATCTCCCAATGCCACCTGGAGTCTCCCTCAATTGTCTCATTACCC
AACTGTCTTCTCTCTCGACTAGGTATGGTCCGACCGGCGTTTAGCCGAGCTCTCTGAT
TACCGCCGTTTATCAGAGTCGCAGCTTTCGTTCCGCGCTCGCCGACAAAGTCTCGCTG
GATTACCGTCGCCTGCCGATGCCATTCCGATTACGCACGCTATTCGGGCTCCTATAAT
GATTACCTGCGGGCGGCTCAGATGCACTNTGGCTACCAGGCGCCGCATGTAGGGGCCATC
CTTGGGAATGNGGGCACCACAAGGGNAGGGGAGGGGAAGAAAAAGAGGGTTGGGTAAGG
GGTTACAGGATCCAGGTTTATAAACTACTNTTGGGCCCATACCTTTCCTGGGTTGGTGGT
TTTNTCATGCCCTCNTACCATGTGGGGGCCCTTCCCCCAGGAAGATGGATCCCTGTTTAA
GTTGTTCCGCAAGTTAACCTAANTTTGGTTCCTTCCGCTCAGCCAGGCCAAAAATTC
TTGGCTTAACNGGCCTTCTAGGAATCCTGGCGGGGTTTTNCCCCCTTCTTACCCCTT
GGCCTTCCCCGGTCTTNCCCCAANAAAAATGGGGGAAATTTNCCTTNTTTAATGGTANT
TTTTAATTTATATTTTNCCTGGGCCTTCCCTTTTTTAATTTTTTTNGTGCCGCCCN
AATANTTTTTAAAGGGTNCNTNNTNGGGANTGGGGGGGAAANCCAAACCNTGNCAAANT
TGGAGGGTTCCGCCCCGGCCNCCTTTTTTTTTTTTTTAA

Sequence 2662

TTTTTTTTTTTTTTTTTTTTTTTTTTAGGGNGAGTGATAGCTTAATTAAGATTACA
ATCTATCTTCTTCANAAGGCTANAGAATGGACTGGCAATCACTAAATTTTNTTTCAGGTA
ACTGCCAACTTAAATTTGTTCTTCAAATAAAATAATTACCCCTTCTGTGCCGCTCAA
AATACCATGCTGGAAAAAGACAGNGTTCATGATTTGCCCTATAATTCAACCCTCATNTT
TTCCGTTTTCAANAATCGGGGAAAGGGGAATTTTCATT

Sequence 2663

CGAGGCTAACAAAGGAAAGCCCTGGAGCTCCTGTAATANGAATGTGGTTGGAAGATGCAA
ACTGTGGATGATCATCACCTCCATTTTCCTAGGTGTCATTACAGTGATCATATAGGCTT
ATGTCTTGCTGCAGTAACTTATGTTGATGAAGATGAAATGAAATACTTGAATTATCATC
AAACAAAACATTCTTCGTATGCTGAAGATTCCAGAGGAGTGTGTTGCTGAAGAGGAATT
GCCTCACCTGCTCACCGAAAGGAATGAAGTGATGGAGGCTGGTCTCTGTCTGAAAGCAGT

Table 2

GCTCTACCAAGTCCTGGAGATGAAGGGAATTCAGTCTGTTTTGCAGAAAAGATTCTGTGG
GATTAATACAGAAGCCACCAGCAACACCAGAGGGGTGGGAGACTCCTTTC

Sequence 2664

ATANGTCGAATTGNACTCCACCGCGGTGGCGGCCGAGGTACGCGGGGCAGACACTGACCT
TCAGCGCCTNNGNTCCNGCGCCATGGCNCNTANAAAAAGTTCTTCGTTGGGGGAACTG
GAAGATGAACGGGCGGAAGCAGAGTCTGGGGGAGCTCATCGGCACTCTGAACGCGGCCAA

Sequence 2665

NATAATTATTTTACATATTATCTTCTAGTCTGTTTTATAATATTTATTTTAAATTGAAAT
CATAAACTTTTTTTTGTCTTAGCCAAAGAATGTCGGCAAACCTCTAATGGTCCTCATT
CCTACTGCACAGCATTTTCACTTTGACTTTACATACTCAGGGGAAAAGAAGGCAGCTTGGTT
GAGAACTGCAAGATCCCAAGTGCCCTGTTTTTGTCTTTTGTCTTTAGTCTTGTTTTTTGT
TTTTTGTTTTTTTGAGGAACCTAATGAATAAAGCACACAAAATCTCCGAGCAGTAGCTGGC
CTTTCAGGGGCACGCTGCACAGTAGTTCTGGAGAGGACAGTATCTCCAAGGGTGGATGAG
TTCCCCATTGCTCAGAGGAATCAGCCAAGGGGCTGCAGCGGAAGCTCCAGGCTGAGCT
GGAACCTGAAACCAGGTCTGTCTGCCTCTGCCCTTCAAGCCAACAAGGGCATAANGCAAT
TTGCCTCTATAAATGTAGCATCCAATTATTTACATTCTGTGCTCAGTNANAACAGTGA
CCCATGCTCTANAACCTNAGTGGATCCCCNNGGCTGCANGGAATTTGANTTTCAAGCCTT
NTTCGATACCGTCGACCTTGAAGGGGGGGGCCCCGGTACCCCAACTTTTT

Sequence 2666

TCCACCGCGGTGGCGGCCGAGGTACAGTTCACAATAGGGTTTGTGCTCCAATGCTAATCT
AATGCCATCGTTGATCTGACAGGAGGCTGAGCTCAGGCGGTAATGCTTCTCGCTGGCTG
CTCACCTCCTGCTGTGCGGTCCCATTCCTAACAGGCCATGGACCAGTGTGGGGTTTGG
GACTCCTGTTCTAACCAATGCTCCCTCTATTAAGGGGATTTTCACACTAGCTGATGGAA
ACACCAAGTGTTGCAAGCTCTGTGTGAGCTACAGAGATTATTCCTTTTGGGAAGTTCTT
TGCCCTGCTTTGCATAATTCCTCAAATACATGTACCTGCCCC

Sequence 2667

TTACCCACTGAGGAAATTAAGAAGGAGCCAGAGAAACCGATCGACCGNGAGAAGACATGC
CCACTGNTGCTACGGGTCTTACCACCAATAACGGCCGCTCTAGAACTAGT

Sequence 2668

GCAGCTCCACCGCNGTGGCGGCCGCCCGGGCAGGTACACAATNGTAGTCTTTCTGGCCA
GGCATGGNCCTAAACTTTAATAAGTCAGAGACAAGCATAGGCTCAAACTACAAAGGTTA
TCCTCATCCTCCCCCAAACATGTTACAGCAAGAAAGCCTGGAGAACTCTTACCTGCTC
AGAAAGCTTCTTCACTTCTCTAGAATGGAGGCAATAGGCNCGACTCCTCTCCCTTGCCC
CGGGTGAAAGGAACATGCAGTAAGCTACACATGTCCCGCGTACCTGGGCCGCNCTAAGA
ACTAGNTGGGATCCCCCGGGCCTGGCAAGGAATTCGATTATTCAAAGCCTTATCCGAATA
ACCCGTCNGAACCTNNGAGGGGGGGGGGGCCCCGGGNNACCCCAANCCTNTTTGGNNGC
CCCTTTTAAATTTGGAAGGGGTTTAAATTTGCCNCCGCTTTTGGGCCGGTAAATCA
ATTGGGGTNCATAAAGCCTTGGTGTNTCCCTGGTGGTGGAATAATTTGTATTATCCC
CGCTTTACCAAAATTTCCACCAACNAACCAATTACCGANAGCCCCCGGGGAAGGCAAN
TAAAAAGNTGGTAAAAAGGCCCTGGGGGGG

Sequence 2669

ACCGCNGNGGCGGCCGAGATACCTCACAGAAGCTCTTCAGTCTATCAGTGAATTAAGAGC
TTGNAGATAAACTGGAAAAGATAATTAATGCAGTTGAGAAGCAACCCTTGTATCAAAACA
TGATTGAACGATCTGTGGTGGAAGCAGCAGTCCAGGAATGTAGTCAGTCTGTTGATGAAA
CTATAGAGCACCGTTTTCAATATCATAGGGAGCATTNGATATTCACGCTTTGTGCTCT
GCCCCGGGGCGGC

Sequence 2670

CCGGGCAGGTACTATACCAATTCTCAAAGTTTGATCAGTGGGACTGAGTCACAGCTGC
CCACAGTTGTAAGCAGATCAAAAATGCACCTCAAATAGGCTTTCACTCTTCTCCTCTTTC

Table 2

TCTCTTCCAAGCACTCCACTTATGTACCT

Sequence 2671

GGCAACCGAGGCTGCAATAGCTCCAGAACTGGCCTCCACAGTGNNTTCCTCTACGGGAGN
CAANTGGTTGTGTCACTTGACCCCTCTTGTGCTAAGAGGCAGCAGGGACCCCATTTTC
ACTTCCGCTTCCGGTTGTCCCCCGGTACCTGCCCGGGCGGCCGCTCTAGAACTAGT

Sequence 2672

TCCCCGCGGTGGCGGCCGAGGTACGCGGGGGAAGAGCGGAAATGTCAAACGTGGAGGTGA
GCAGTCTGTGGCGGTGGGGCTTCAGGGAAGCTTGGGCCGGACCCCTTGGGTTTAGGGC
TTTGCTGGGCGGGCCTAGTCTCCGCTGCGAGTAGGCCAGCGCCGTCGGTTCAAGAGGTA
GGACCACAGGCCAGGAATACTCCTTTACTGTTAAAAAAGCCAGGGAAAGAAAGGATTTCC
TCAATAGATATTTATTTTACACCTGTCTTATACCAGGCATGCACGGGAAAAGGTATTATC
CAAAACAATTCCGTGAGGCAAATAGTGGTAGTTCCATTTTGTAGATGTAAAAACGGAGGA
AGTTAAATGATGGGT

Sequence 2673

GCGGTGGCGGGCCCGCCCGGGCAGGTACTCCGTAACCTACGTAACGCTACACGCATGGT
AATATCGTAGCTGGTCTGGCACCAGGAATGATGACCTCTATTGGAGACTGTGACAAAAGC
AAACCCCAACGGGAAAGAGATGTCACTGGGGATCTGCCCTGTCTTCTGAGTGTCCCTCA
GGGTGGAAATGCTGGGTCAATGGTAGCTCTACGTCCCACTTTCAGGAACTGCCTTCCCA
TTTCCGCACANCACTGCACTGTTTTTGTTCCTTGGCGATGTGTACCT

Sequence 2674

GGATGGGAAGCCGTGGGGCAAGGGAGGTTGCAGGAAGCCCATCCTTCCCCTCCTGCGGCN
NGTACCTGCCGGGCGGCCCGGGCAGGTACGCGGGGAGAGGAATTCAGAGTTNAACC
TTGAGTGCCTGCGTCCGTGAGAATTCAGCATGGAATGTCTCTACTATTTCTGCGGATTNN
TGCTCCTGGCTGCAAGATTGCCACTTGATGCCGCCAAACGATTTTCATGATGTGCTGGGCA
ATGAAAGACCCTCTGCTTACATGAGGGANCAACAATCAATTAATGGCTGGTCTTCTGATG
AAAATGACTGGAATGAAAACTCTACCCANGTGTGGAAGCGG

Sequence 2675

AGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTGTTATGT
CTACCTAGCTGTGATTATATCAGGCACAGGATTGCGCGCGTGTGCTCTAATCCCACTGTG
TCATGCAGGATTTTACCTCGGCCTATGCCTGCCTGGCAGCAACACAGCCATGTTCTTA
CACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACTCGTGCACATAGGGGAGCA
CCCTGGACCCATAGGCCACAGCAACAATAAGAGAGCAACAACCTACTACTAATATTCT
GCTATGCTACCTATGATTATAAGAGCCCAGTGTAGGCCANAGCCANAGACACCCACCAT
CTCTGCAGGCGGTCACTAGTAANGTATTCAATTGCCTTAATCTCCCATGACATGACACCC
CCTGCAAAGCTGCCACTATGTTCTGGTGGTTGTGAGGGATGAATGTNCCTGCCNNGGCGG
CCGCTCT

Sequence 2676

AGGTACCGTGTTTTAAGCTTAGTTCAGTCTCAAGTGTTTGCAGCCACATCTGAAGACCAA
TAAAGCAACTGCTGGTTTATCCTTTGGGAGCTGACAGAATTTCTTCTCCCAAATACATAC
ACAGTAAAATCATAAGCCTTCCAACATCGTTACTGTTGCACTTTACGCAGTCAAGTGTC
AACTCCTCAGATGAGCAAGTGGTCGGCCCTAAAAAGGGCCTTTGGGATCGAAACGCGCAA
AGCTGGGGCGGCGGCCTAGCCTCCGAAGCCGTACCTGCCCG

Sequence 2677

CCGCGGTGGCGGCCGAGGTACCTGTNTCCATTGTTGCTGGCTTATGAAGATATGATGAAA
GAGAAGGACGAGCTCNATGCCTCCCTCAAGGAGGAAATGAGAATGTTTAGGATGCGAGCC
CAAGAAGTGGTGAAAGAAAATGAAGAATTGCACCAAGAGTTAAATAAGAGTNGTGCTGTT
ACCAAGTGAGGAATGGCGTCAGCTTNAGACTCNAGCAAACTGGTTTTANTAGGAAACAA
GTTGTTTGCTGGANCAGTTGGAGGATTCANCAAAAGGGAAAAGCCAAGGACAGCCACCAG
GGAGCCGCCTCCAAGGAAAGTTTTCTAAGCTGGACNTAAACAACCTAATGCTCCCTGGGA

Table 2

GGGCAANNAACCCACCGGCCAGGGTAANAAGGAGCTGGCCGGAGCAACAGGGGAACCA
GCTTGGAGATTTTTCCGTGCCCAAATGCCCAAAGAACTNAAAACAACACTTCGGGATG
GGCAAAATCCGCAGTTGGGAAGGTTCAATAAATCAATTGGTGAATGNAATTNTCCNAAN
NTTNTNTNNTNCCNTTTNNCAAATGGTTTCTTGCCCCGGGCGGGCCGCTNNTAAAAAC
TAAGTGGGGATCCCCCGGGCTTGNNANNGAAATTCNTATTTTNAAGCCTTTATTNT
GGATTNCCCGNNNNACCCTNTGGAAGGGGGGGG

Sequence 2678

GGTGGCGGCCGCCCGGCGAGGTACTTNTTTTTTTTTTTTTTTTTTCCATTTTTTT
TTCCGGCCCTTGACCTTGGNTTATTGATGGCCCACTGCACACTGCCAAATGCTGTC
ACAAGAGGGGNCNCCACTTNTAAATCTGNGAGAGGATCAGAGGTTAACATATCATCAA
TGTAATGAAACAGGCAGACCCCTTTTGGGCATTTCCAGGCAGCTAAATCCATGGCAACAA
GACCAGGACAAATGGNGGGGCTNTGCACACAGCCCTGTGGCAGCATGGNGAAAGTCCATT
GTCATCCTTCCCACGTNAAGACAACTTCTCCTGGCTCTNTGGAGCAATGTCAATGGANA
ANACTGCATTAGCTAAGTCCACCACAAAGNGGTNCCT

Sequence 2679

ACATGANCAAGGCTCAGCCTNNGGGAATAATTGCCNACANNACNGNGGGGAAGCCTGGGA
CCATGGNTNTGCCAGGAATCTGTGACATCTCAGGGCATATTTGAGTCCTGCCTTCTCA
AAGT

Sequence 2680

AGCTCCACCGCGGNGGCGGCCGAGGTACTCGGNGGTTACTTCTGGGAGACTTCAGGTGT
GGGTAGCNCGGCGCCGCGCCCATAGCCGGACGGGGATCTGAGCTGGCAGGATGAATGTGG
GGGTTGGCACACAGCGAAGTAAACCCCAACACCCGAGTGATGAATAGCNCAGGCATCTG
GCTGGCCTACATCATCTTGGTTAGGATTGCTGCATATGGTTTCTACTCAAGCATCCCCCT
CTTCAGCATTCCTGTTGGTCTGGACCCCTTGACCAACCGTCATCCCATAAACCTGGGCTTA
CGTATGTCTTCTTCATAACCGGNGGAAAAGGGGACCACCCTTTTGAGAACTCCCTGACC
AAAGGGAAAAGGCTTCGGGCNTACTTGANCANCACCTTGGGGAAGGCAAATGGGNACTAT
TGGGGCTCCCAAGTTTACCTCTTCCCGNCAANGTTCCCTCAAGCAATCTNTCCTTATT
GGGGGCTCCTATTNTNCCNNGGGCCCAANGCTTTCTTATTACCCAAAGGTATTGNATT
GCCTTNCNCCACCTTTTCCCTTCAATGGAAAAACAACAAAGCCCTTTNAATTNGGCTTA
AAAGNTGGTTACCCCTTGCCCCCGGGGGCGGGGGCCGCGCCTTCTNNGAAAACCTTANG
GNGGGGATTCCCCCCCCGGGGGCTGNGCNAAGGGGAAATTTTCNNAATNAATTCAAAA
GNCCTTTTNAATCCGATTACCCCCCTTCNNAANCCCTTCGGAAGGGGGGGG

Sequence 2681

GAATTGGAATCCACCGCGGTGGCGGCCGCCCGGCGAGGTACNCGGGGACTTCCACTCGTG
CGTGAGGCTGAGAGGAGCCGGANACGAGACCAGAGGCCGAACCTCGGGTCTGACAAGATG
GCCGGGCTGCCCCGCAGGATCATCAAGGAAACCCAGCGTTTGCTGGCAGAACCAGTTCCCT
GGCATCAAAGCCGAACCAAGATGAGAGCAACGCCCGTTATTTTCATGTGGTCATTGCTGGC
CCTCAGGGATTCCCCCTTTGAGGGGAGGGACTTTTAACTTTGAACTATTTCTTTNCAG
AAAGNAATACCCAGATGGGGCANGCCCCNTAAAGTACCCTTGGGCCCCGGCTCTTAGAAA
CTAGTGGGAATCCCCCGGGGCTGCAGGGAAATTCGATATTCAAGGCCTTTAATCCGAAT
TACCGTCCGAACCCCTTGAAGGGGGGGGGGCCCGGGGTACCCCANCCCTTTTNGTTTC
CCTTTTA

Sequence 2682

AGCTCCACNCGCGGTGGCGGCCGCCCGGGCAGGTACGGCTTCGGAGGCTAGGCCGCCGCT
CCAGCTTTGCACGTTTCGATCCCAAAGGCCCTTTTAGGGCCGACCACTTGCTCATCTGA
GGAGTTGGACACTTGACTGCGTAAAGTGCAACAGTAACGATGTTGGAAGGTTTATGATTT
TACTGNGTATGTATTTGGGAGAAGAAATCTGTGAGCTCCCAAAGGATAAACCAGCAGTT
GCTTTATTGGTCTTCAGATGNGGCTGCAACACTTTGAGGACTGAACTAAGCTTAAACA
CGGNCCCTCGGCCCGCTCTAGAACTAGNGGGATCCCCCGGGGCTGCAGGGAATTCGAT

Table 2

ATCAAAGCCTTATCGGATACCGTCGACCTCGGAGGGGGGGGGCCCCGGNNCCCAAGCCT
 TTTGTTCCCTTTAGTTGAGGGGTTTAAATTGGCGCCGCTTGGCCGTAATCATGGTCAAT
 AGCTGGGNNNNCTGTGGTGAAAATTGGTGATCCCGCTCACCATNTNCCACACANCCAT
 GACCGANGCCCGGGGANGCCAATAAAGNNGNAAAAGCCTGGGGGTGCCCTAAATGGAAG
 GGGAAGCCTTAACCTTACCATTNAAATTGGCGGTNTGGCCGCCTCACCTGGCCCCGCTT
 TTNCCCAAGGNCCGGGGGAAAAACCCTGGGTCCGGTGGCCCCAAGCCNTGGCAATTTAA
 ATNGAAAATCGGGGNCCAACCCCCCTCCGGGGGGAAG

Sequence 2683

ATANGGCGAATTGGAAGCTCCACCGCGGTGGCGGCCCCGAGGTACAAATGCAGTCAGCTTT
 GGAATACGTTTGGGGTAGAAGACAAAAATGAAACTCATGGGATTCCAATAGCCGAGCCC
 TTCCCATGTTCTTGGGACATATCCAATTCTAGCACATCCACCATTTTTAAATAAACTTAA
 GTGGATTTTCAAGGGTCCCCGTGGTCCACCATTAAAAAATAAAGTTACATTAAAT
 ATTTCAAAACTGGGGCTTTTTTGGCTATTTCTTTTGGGGGGGACCACCAAGGGGAAT
 TGTGCAAGGAAAAGGACCATTGGGGAAGCTTATTGGCCCCCAAGGACCAAAAGGTGGCC
 ATGGGGCCATCCAAGCCTTGCCTTCTTCAATTTTACCAAAAGGGGTACCCTTGCCCCC
 GGGGGCCGGGGCCCGCTTCTTAAGGAAACCTAAGTGGGGAATCCCCCGGGGGCCTTGCC
 AAGGGAATTTNCCGAATATTCAAAAGCCTTTATNCGGAATNACCCCGTGCAGACCTT
 CCGGAANGGGGGGGGGGGGGCCCCCGGGGTACCCCCAAGCTTNTGTTNCCCCTTTTAA
 GTNGGAANGGGGTTAAATTTGGCCGCCGCCTTTGGGGGCCGTAAAATCCAATGGGGNTC
 NATAGGCTTGNTTTCCCCTGGTGGTGGAAAAATTTGGGTNAATCCCCGCTTACCAAAT
 TTGCCACCCACAAACCAATTACCCGAAGCCCCGGG

Sequence 2684

GGCAGGTACAGGCCTCCAAGCCCCGTCTTGTTTTGGCGCGCNACAAAAAATTCCGANAA
 NAANANNTNCNCCTTCTTGGCTANAAAAACGTTCCGCAAGCAATGCAGCTGAACTTTTCG
 GGTTTTCTTTTTTTGTCCCTCTCTCTTTTTTTTAAATTTTTGTTTTTGGCGCTTTA
 CGCTCCGAGGCCATCTGCGGAGNACCTCGGCNCGCTCTAAGAACTAAGTGGATCCCC
 CGGGCTGCAGGGAAATTCGATATCAAAGCTTATCGATACCCGTNGACCCTCGAANGGGG
 GGGGCCCCGGTNACCCAAGCCTTTTTGTTCCTTTTAAATNGAGGGGTAAATTTGGCGC
 CGCCTTTGGGCCGTAAATTCATGGGTCCATAAGCCTTGGTTTTTCCCCTTGGTGGTGA
 AAAATTTGGTTTAAATTTCCCGCNTTCAACCAAAATTTNCCCACCACCAAAACCAATTAAC
 CGNAANGCCCCCGGGGAAGGCCATTAAAAAGNTNGGTNAAAAAAGCCCCCTGGGGGGGT
 GGCCCCATAAATTTGAAGTTGGAAGCCTTAAACCTTCAACCAATTTNAAATTTNGGCCG
 TTTTGCCGGCCTTCAACTTGGCCCCCGCTTTTTCCCAANTCCNGGNAAAAACCCTNGTC
 GGTGGCCCCAANCCTTGGCAATTTAAATGGAATCCGGGGCCCCAACANCCGCCGGGGG
 GAAGAAAGGCCCGGTTTTTGCCGTATT

Sequence 2685

ATTGGACTCCACCGNGGTGGCGGCCGTGCGAGCCCTCTGCCAGATCATTGATAGCACCAT
 GCTGCAGGCTATTGAGCGCTACATGAAACAAGCCATTGTGGACAAGNGCCAGTGTCTC
 CAGCTCTGCCCTCGTGTCTTCTTGCACCTGCTGAAGTACAGCTTTGACGTGGTCAAGCG
 CTGGGTGAATGAGGCTCAGGAGGCAGCATCCAGTGATAACATCATGGNCCAGTACCT

Sequence 2686

CCGGGCAGGTACGCGGGAGGACTCCTCAGTTCACCTTCTCACAATGAGGCTCCCTGCTCA
 GCTCCTGGGGCTGCTAATGCTCTGGGTCTCTGGATCCAGTGGGGATATTGNGATGACTCA
 GTCTCCACTCTCCCTGTCCGACACCCCTGGAGAGCCGGCCTCCATCTCCTGCAGGTCTAG
 TCAGAGCCTCCTCCATAGTAATGGGAACAACTATTGGTTTGGTACCTCGGCCCCGCTCTA
 GAACTAAGNGGATCCCCCGGGCTGCAG

Sequence 2687

AGGTACTTANAGACACATNGGTCCAGGCACACAGACTCGCCCTTGGAGAGCTCTGCTTCC
 TTGTAGTGAGGAGGCACACACTTCCGGTGGCAGGCACTGGTCATTCTGTTGTACCTGCC

Table 2

G

Sequence 2688

NGGANCTCCACCGCGGTGGCCGGGCCCCGCCCCGGGGCAGGTTNCNGGGCTCATGAGGAGA
GGGAACATGCTGAGAACTGATGAAGCTGCANAACCAACCGAGGTGGCCCCGAATCTTCCT
TCAGGGATATCAAGAAACCAGGACTGTGATGACTGGGAGAAGCCGGNGCTGNAATGCAAT
GGGNAGTGGTGCCATTACATTTGGGNANAAAAAATGTGGGAAATCANGTCACTTACCT
GGGNAACTTGGCCACCAANACTTGGGCCACCTGGACCAAAGAAAATTGGACTCCCCATT
TTTNGGTTGGACCTTCATTTGGAAGGACACCATTTTACCCTTGNAATTTGGAAGCCAAG
GGTTGGAAAAAGCCCATTCCANAAAAGNAATTTGGGGGGGTGGACCCCACTGTGGACCC
AACCTTTGGCCGCCAAAAGNATGGGGGGGAAGCCGCCCGGAAAATCCTTGGGCCTTTNG
GGCCGGGGAATTAATCCTTCTTTTGGACCAAAGCCACCACCCCTTGGGGGAAGGACCAA
GGTNGGAATTAATNGAAAAAGCTTAAAGGCCCTCCGGGGGCCCTTAATTTTCCCCAA
TAAGCCCCGTGGGGGGGGGTGGACTTTCCCTTGGGTGANCCCAAAGGGGCAAGGTGCC
AATTGCCATTGGTTGGGGGGGTTCCTTTTACCCTTTTCTTATTAAAAGTNGGG
TACCCTTCCGGGGCCCCGCTTCTTAAGAACTTAAGTGGGGATCCCCCCCCGG

Sequence 2689

AGGTACGCGGGACCTCATTCTTCTACCCGGTCTCTAGTAGNGCAGCTTCGGCTGGNG
TCATCGGTGTCCTTCTCCGCTGCCGCCCCCGCAAGGCTTCGCCGTCATCGAGGCCATTT
CCAGCGACTTGTGCGCAGCTTTTCTATATACTTNGTNCNCCCGCCAACCGCAACCATTTGAC
GCCATGTGGGTTATTGAGTGACCGAGACCGCGGCNCGCTCTAGAATAAGTGGATCCC
CCGGGCTGCAGGGAATTCGATNATCAAGCTTATCGATACCCGTCGACCCTCGAGGGGGG
GGCCCCGGTGCCAGCTTTTGGTTCCCTTAGTGAGGGGTNTAATTGCCGCCGCTTGGC
GTNAAATCATGGTCCATAAGCTTGTNTCCTGTGGTGAAATTGTGTATCCGGCTCACCAAT
TCCCACAACAAACCATTACCGAAGCCCGGGGAGCCATAAAAGTGAAAAGCCCTGGGGGG
TGCCCTAATGGAGTNGAAGCTAACTNACCATTATTTGCCGTTGCCGCTCACTTGGC
CCCGCTTTTNCAGTTCCGGGGGAAAACCTTGTGCGTGGCCCCAGCCTTGGCATTTTAA
ATGGAAATTCGGGCCCCAACCGCCGCCCGGGGGAAGAAAGGCCCGGNTTTTGGCCGTTAN
TTGGGGGCCGCTTCTTCCCGCTTTTCTTCCGNTTCAACTTGACTTCCGCTTGC GCCT
TCNGGTTCTTTCCGGCTT

Sequence 2690

GGGATTTCCNCTGAGTGACCCCTNACAAGTCCTTCTTGATCCTGGACTGGGTAGGTGCCG
CTGTTGCTGCTCGTGTTGAATCTAGAACCGTAGCCAGACATGGGACTGGAGGACGAGCAA
AAGATGCTTACCGAATCCGGAGATCCTGAGGAGGAGGAAGAGGAAGTAGGAGGAATTAGT
GGGATCCCCTAACAACAGNTGAAGAAGAGTTAATTGCCGAGCCAGTTTGNAGAAAAATT
GTGTANAAGGCCCGGGGAGCCGGCTTAGGAGCCTCTGTNGAATTGAGCCGTTGTATTCC
TTCTCGAATCCACCATAACAGGAAAGNAGGGATTGTCNACCCGGGAGGGAGCTTCTTTTG
ACCTTTCTTTGCCATTGCCGAAGGGGAACCCATTGGCGGTNGGGCCCCCACCAAAACCT
TCCTTTTAAACCAAACTTTGGAAAAAATAAAATGGTTGGTNGGGACCTNTAAATTTT
CAACCCCCCAAGTTNCTTTTCAATTCAATTCTTGGGGGGCCATTCAAGAAAAATAATT
TCCCCTTAATGGGTTTTTTGGGAATTGGTNACCCTTCNNGGGCCCCGGCNCCTTAA
GAAACCTTAAGTGGGGNATTCCC

Sequence 2691

GCGAATATGNACTCCACCGCGGTGGCAGGCCATAGGTACGTGGGGCTTCGGGTGGCGGAG
CGGCGGATTAGCCTTCGCGGGGCAAAATGGAGCTCGAGGCCATGAGCAGATATACCAGCC
CAGTGAACCCAGCTGTCTTCCCCATCTGACCGTGGTGCTTTTGGCCATTGGCATGTTCT
TCACCGCCTGGTTCTTCGTTACGAGGTCACCTCTACCAAGTACCTGCCCG

Sequence 2692

GAAAGCTTATGGCCCTAAAGTCGACATATGGNCTCTGGGGATCATGGCTATTGAGATGGT
AGAAGGAGAGCCTCCATACCTCAATGAAATCCCTTGAGGGCCTTGACTTTTCATATCT

Table 2

TTTACCAGTTGTTATCTGGAGCAGGAAGAACCNTAAAGTCTGGATTGCTTCCTCCGG
AAAGGATTTAAATACTACCAGGGTTTTCTCTCCAATGGCCTATATTTCCNTATTTCCCGG
GGACCAGCCAAGGACAAAAGAATAAATTTTNCAGGGAAGACCCATGGGAAAAGCCAAAT
GGCCACCATAAATGGGGGCTTNCCTCCCCATTGNAAAGAAGAATTTCTNGTTCAAATGGC
CTTTAAAAAGTAAGGTAATCCTTTCAAGGTGGCCTTACCAGGTTTTGGGAAAAATTATTT
TTCNTTTTNCAAAAAAAAGGGGAAGAAGAAAAATTACCTNGGATCCAAAGGCCTTNCCTA
ATGGCCCAAGNAAAAAAATTACCAAGTNNGGCCGCCAAGNAAANCCTTCTTGTCATTNC
TTTCTNTNGGGGATTGGAAAATGGTGGANTGGGAAGGTTTTTACCTTCCGGGGGCCCA
ATGNCCTGGACCTCCCCCCCCGGGGATTCCAAANGGGTCCGGGGCCCCGCTTCTTAANAAA
ACTTAAGNGGGGATTCCCCCCCCGGGGNCTTGNCANNGGNAAATTTCCCAATNATTTNA
AAGNCTTNTNCGAATNANCCCCGGTNC CGGAACCTCCGNANGGGGGGG

Sequence 2693

GAATTGNACTCCACCGCGGTGGCGGCCGAGGTACGCGGGTGAATAAAAAAGACATACTTCT
CAGCTGCAAATATTATGGAGAATTGGGGCACCCACAGGAATGAAGAGAGAAAAGCAGCTCC
CTAACTTCAAAACCATTTTGGTACCACCTTTTGGATGTGATAGCATTCTGTGCTGGCCTGC
GTGGCAACTATGATATTTATGATCACAAAATGTTGCCCTGTTTTGTTNCCGAAAGCTTGCC
AAAACAGGAAAGAAGAAGAAAAGGGGATTAGTTATATCAAAGCCTGAAGTGGGAATGGA
CCAAAAAGATGGGGACTCCTCCTTTATTTCCAGCATGGAGGGTTTTAAATGGGAGGGAT
TTCTTTTTTCTGCCGACCAANAACGTCTTTTACAAAACCTTACCCCTGTTTAAAGTC
AAAAATTTATTTTTNCCAAGGGAAATTTTAAATAATGTTACCTGGCCCCGGGGCCCCG
GCCCCGCTTCTTAAGNAACCTAAGTGGGGAATCCCCCCCCGGGGCTTGGCANGGAAAATTT
CCGGATATCCAAAGCCTTATTCGATTACCCGNC CGGACCTTCNGANGGGGGGGG

Sequence 2694

CATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGNGACTNACANN
GACGGTGGTNTNNGNCACGNTTGTNATNAGATCNTGANTGTTNGTCCNAATGCCACACG
ACACATCAGGGTCTTGAGNCAGNTCAGANAAACCACAGAACCTATGCAANGAGTGAAGA
GAGTGAGCCAGAGAGGGGTCCAGGCCATGGTGGGGACACCCCANAACTCTGCTTCTGAGC
CCACAGCTCCCCGCGTACCTGCCCGGGCCCGCCGCTCTAGN

Sequence 2695

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGCAGAGAGCCAGGA
GGTCCAACCTGCCGTAGACAGGAAGGAATTTAAATTTGCTTGAAGACATCTTTACTTTAT
GGAGGCAGGTGGAAACCAAAGTTGAGCTAAAATCCGTAAGATGAAGGTGACAACAAAAG
TCAACCGTCATGACAAAATCAATGGAAAGAGGAAGACCGCCAAAGAACATCTGAGGAAAC
TAAGCATGAAAGAACGTGAGCACGGAGAAAAGGAGAGGCAGGTGTCAGAGGCAGAGGAAA
AAAAAAAAAATAAAAAAAAAAAAAAGGTCCCTCGGCCGCCCGGGCAGGTACATGGCAATT
AGAAGTTGTCATGGCAAAAGAAAACACAGCTGGCCTGCCACAGCCAACACAAGAACCAG
AAAATGGTAGATGAAATGAAGGAATAAAGGNGGGGTTTATTCCTTATTATAAAAGAAAA
AAATATTTCTTCAGCAGTCTTAACAAAGACATCAGATCAAAATTTCCAGTGTTTTGACT
CCAGCCCTTTCCCATNTTCTCAAANAGCAGAGGTAGGGAGACAGTTTGAAAGCAANCC
AAGCCANTTTTTNTTAAAAATTTCCCTTAGAAAACCCCTCCAAATTTTGATTTAAANTN
TAAANCTTCTTTTAAATTTTNGCTTTTTTTAA

Sequence 2696

AATTGGTAGCTCCACCGCGGTGGCGGCCGTTAAACATGTGTCACTGGGCAGGCGGTGCCT
CTAATACTGGTGATGCTAGAGGTGATGTTTTGGTAAACAGGCGGGTAAGATTGCCGA
GTTCTTTTACTTTTTTAACTTTCTTATCCCGCGTACCT

Sequence 2697

TCCGTGATGCATTGAGGCTCTGCACAACCACTACNCGCAGAAGAGCCTCTCCCTGTCCCC
GGGTAAATGAGTGCNACGGCCGCTCTAAACTAGTTGGATCCCCCGGGCNTGCAAGGGA
ATTCGATATCANAGCTTTATCGATACCGTCTGACCTCCGTAGAGGGGGGGGGCCCCGGTT

Table 2

ACCCANCCTTTTGTGTCCCTTTAGTTGGAGNGGTTTAAAATTGCCGCCGCTTGGGCCGN
TAANTCATTGGGTCATAANCNTGNTTNCCTGTTGTTGAAAAATATGTTAATCCCGCT
TCAACAATTTTTCCACAACAAACCAATACNGAANTCCCGGGGNAAGCTATTAANATGTN
NTTAAAGGCCCTTGGNGNGTTGGCCCTTNAANTTGNAGGTGGAAGCCTTANAACCTTTC
NACCAATTTAAAATTTT

Sequence 2698

AGGTACTTATTGGCACAAATTCGGGCAGCCTCCAGGGCTTCAGAGGACAGCTGCTCATAT
TCATCTGACACCATGTGGCCACAAAGCGGAACTCATCCACTTTTGCCTTTTCCGCCCC
AGGTCAAAAATGCGAATCTTGGCATCAGGGACACCTCGGCAGAAGCGAGACTTTGGGTAC
CTGCCCC

Sequence 2699

CTATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTCTGAGGTTGCAT
CATAAATACAAAGGACTGAAGTTATAAAGAGAAAAAGAGAAGTTTGCTGCTAAAATGAAT
CTGAGCAATATGGAATATTTTGTGCCACACAAAAAGCATCTGGCACAAATGTTTTTGT
TGGTTTGGTTTGGTGTGTAAGAGAGAGGATCTTGCTATGTTTGCCAGACTGGTCTCAA
ACTCCTGGTCTCAAGTCATCCTCTCACCTTGGCCTCCCAAAGCATTAGGATTACAGGACA
TTGAGNACATCACACCCAGCNCCCAGCACAAATGTTGGAATGTTACCTCCGGCCGCTCTA
AGAACTTAGTGGGATCCCCCGGGCTTGACAGGGAATTCGGAATATNAAAGCTTATCGGAT
ACCGTCGGACCCTCGGAGGGGGGGGCCCGGTACCCAGCCTTTTGTCCCTTTTAGTNGA
GGGGTTAAATTGCCGCCGCTTGGGCGTAATCATGGGTCATTAGGCTGGTTTTCTGTTGG
TGAAAAATTGGTTATCCCGCTT

Sequence 2700

CCGGGCAGGTACCTTTGTGTCTAGTTTTAACCTTTTGATCCCAGGTCCTGCCATGACCTT
CAACATGGGGGCCAGGTCTTCAGCATAGCGGCACATAGGACCAGTGCACAGAAACAACCTC
CTGGGCTCCCACAGCCAAGGGAACCTGACCTTTGTTGGGAACCACACCTGGAGAAGGCTT
GTGTCCAAATATACCATTGAAGAAAGCAGGCATTGCAATGCTACCACCAATATCAGAGCC
CACACCAATAACTGAGCAGGCAGCTGCCAGTGTGCAGCCCTCACCACCAGAACTTCCACC
TACAATATGCTGTAAATCATATGGGTTGTTTGATCGGCCATAGATCTTGTACTGGATTCT
ATACCACATACACAACCTCACTACAGTTGGTTATGCCAAGAGGAATGGCACCAGCTCCCTT
CAGTAATGCCACCACAGTGGGCATCTGTTT

Sequence 2701

AATTGGAAGCTCCACCGCGGTGGCGGCCGANGTACTTGTGTTGCTTTGTTTGGGGGGTG
TGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCTTCCAGGCCACTTGTACAG
GCTTCCGGGTAGAANTCACTTATGANACACACCAGTGTGGCCTTGTGGCTTGAAACTCC
TCAAAAGAAGGCCGGGAACANAANTGAACCCAAGGGGGCAACCTTGGGGCTTGACCTAA
GGAACGGTCANCTTTGGTCCCTTCCCCCGAAAAACCCACAATGAATTTGTTGTCAAAN
CCCGCAAAANTTTACCAAGTTAATTAGTTNAAAGNCCTTTAATTCCTTTAAACCCTTGGGG
GNCCCCCACTTGAATTGGTCCCAAAGGGGGGAACTGGGGGGGNCCCCCTTGAACCTTG
GGANNCCCCGGNAAAAAAATTTTTTTTAAAGGGGATTTNCCCTTGAANGGGGNCCACC
TTCAACCTTGGGNTTTTTNTTAAAAATCAACCCCCCCCCNCCAAAGGGGGGCCCTTGGG
NCCCTNNGGCTTTTTTTTGGNTTGGGNAAACNCCCCCAAAAAANTTTTTTTTTTTTTT
GCCCAAAAAANCCTTNCCCCCNNGGGCNGGGCCCNCTTTTTTAAAAANATAANTGGGG
ATTTCCCCCCCCGGGGCNTTTTANAGGNAAATTTNANTATTTTAAAGNCNTTTNTTNA
TAAACCCCGTNNGAAAAACCTTTAAAANGGGGGGG

Sequence 2702

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTCTTTTTTTTCTTTTTTCTTTTTTGGT
CATCAGCTATCGTCAGTGATTTTATGTGTGGCCCAAGACAATTCTTCTTCCAGTGTGGC
CCAGGGAAATCAAAAGATTGAACACTCCTGTGCTACGGGGTGAGAAAATCCAGGCACGAC
CTAGCAGACTCCCTAAGTTCTGGGGAGATCAAGATGGCTAGAGTTCTCAGGGCAGAATCC

Table 2

TGGTGAGGAAACAGATATATAGAGAGAACTTGTGACATCTACAGAGGCTGTCTCTCAAGT
TTTCAGCAGAATACTGACAATCACATTTCATGTGAGGAATCTTTCTGAGACTGGAGAAGGA
ACTGCTTGAAAGGAGTGAAAGGAACAATACTCAGAGTGCACATAAGCCTGGAAATACTGC
CTTNCCTCTCTACCAGATTAGAGGGTCACATAATTGGTG

Sequence 2703

CNGCCGAGGTACGCGGGAGAGACAAAAACAGAAGAGGGGAAACATGTTTCCTACTGACGA
CAGGTGATTACACGTGTGCTTCTGATGGAGGGATCAGGAAAGATAACTGCAAAGAGGTTG
TCATTACTGGTTACACGCAAGCCGAGGCCAGATCTCTTACTTAATGACTTGGGGAAGGCA
CAAAACATGAGAGAAAGTGTGTACCTGCCCG

Sequence 2704

GAGCTCCACCGCGGNTGGCGGCCCGCCAGAAANGTTTGCTGAGGGCAATCACTCCCTCGT
GCCGGGCTANNGGGAGGTTATGTACCTGCCCGGTCTTCN

Sequence 2705

CCGAGGTNCACAGCACTCAGTCAAGGATTATCCTTTGAATTAATGNCATNCAGNNGNCCT
GACCTTTCTTCACATTACATNNTGTTCTCCTGGGCAGCGTTGNGATCTTTGCCACCTTCG
TGACTTTATGCAATGCATCATGCTATTTTCATACCTAATGAGNGGAGTTCAGGNAGTAT
TCAACNCAGGGAAATGCATTGGATNCTCAACNGGGAANACAAACATCCCCAGATTANAAC
TTCGGGAGNTGGCCAGGCCTTGACNAACTTGTTGAAGCACAATGGCACTTTTGCCTTAC
CNAAAACCAGGAAAATTNTTCAATGGTTTGGCACCCCTTNGTTTATCTTACCACCCTTG
GTTGGGGTTTNAATTGGAACCAATAAGAACCAAACTTGCCCCAAAAGGAAATTCNTTT
CCANAGNAAAGGGGGAGNGANCTTGCCCAANGTTAATTAATCNGTNGGGTTGGGGANNAA
AGTAAANNGGAACCCCCCNANAAAAAAGAACCCCTTGTTTTCTNTGGTTCCAGNTTGA
AATTGNGGATTAAAAATTCCTTAATTGGTGCCCTTTCTTAAGNTTAANGGGCCACCCANG
GGGGNTTCCCCAAGGGGCCCANGGGCCCTTCAATTCNTTCCCTTCTGGGCCCTTT
TTAAATANGNTTCAAATGGATTTCGGTGGGTAANGCCCCATTGGCCCCCTAATNAAGGT
ANAAAAAA

Sequence 2706

GGANCTCCACCGCGGTGGCCGGCCGAGGCACCAGGCTAAGTAGGTGGTAACACTCTGACT
GGCCCTGCAGGAGNNGGTGGCTCTTCCCTGAAGACNNAGACAGGGTGGCTGGAGACTG
TGTCACACAAATTTCTCCGGTGGTATCTGGGAGCCAGAGTAGCAGGAGGAAGAGAAGCTG
AGCTGGGGCTTCCATGGTTCCCTCTGGGTCTTAAGTGAAGCAGTTCCCTNCCCGCTACCTG
CCCGGGCGGCCGTCTAGAACTANGTGGATCCCCGGGCTGGCAAGGAATTCAGATATCA
AAGCNTTATCGATACCCGTCCGACCTCGAAGGGGGGGGCCCGGTACCCAG

Sequence 2707

TTGTTAATTCATAATCGCATTACAATATCATTACTGNTGTTCTTCANGGCTCGGACTG
CCTTTGCTCTCGACACATTTGCTTGTGACATGACCAATTCTATGTCCTTAATTCTACAC
CTGTTTCATCGACCTCTTCTCTTCACTCTCCTCTTGTACCTGCCGGGCGGCCGCATCT
ANAACTAGTGGGATCCCCGGGCTTGCAANGAATTCTGATATTCAAANGCTTATCGATAAC
CCGTCCGACCTCNNAGGGGGGGGGGCCCGGGTACCCCANCTTTTGTTCCTTTTAN
GTTGAGGGGTTNAAATTTGCCNCCGCCTTTGGGCGATTAAATTCAATTGGGTNCATTAGGC
CTGNTTTTCCCTTGGTGGTTGGAAAAATTNGGTTAATTCCTGGCTTCCACCAAATTTCCC
NCCAACAAACCAATTACCGAAAGCCCCGGGGGAGGCCAATTAAGGTTGGTAAAAA
GCCCCCTGGGGGGGTGCCCTTAATGGAAGNTTGGAGGCCTAAACCCCCACCAATTTAAA
TTTTGGNCGTTTGGNNGGCCTCCACNTGGCCCCCGCCTTTTNCCAAATTCGGGGGGAAA
AACCTGNTNCGNNGGCCAAGCCTTGCAATTTAAATTGAAATTCGGGGCCCAACCC

Sequence 2708

GCCCGGGCAGGTACACTTGAAACCAATTTCTAAAACCTGTTTTCTTAAAAATAGTTG
TTGTAACATTAAACATAACCTAATCAGTGTGTTCACTATGCTTCCACACTAGCCAGTCT
TCTCACACTTCTTCTGGTTCAAGTCTCAAGGCCTGACAGACAGTAAGGGCTTGAAGAT

Table 2

TTTTTCTTTACAATTCACTCTTCANGCAACTTGGAGAGCTTCTTCATGTTGTCAAGC
AAACAGAGCCCGTATCTGCATGGTTCCGTTAAGCCATAGGAGACCGGGTNTTGAATATC
TTCCCAAGTNGATAANTCCGGCTTCTAACCTGTCAGAAAGAATTGGGGNTCAAACAAA
ACANTAAATCCTTGGGGGGACATACTTGGGCNCAATCAAGGGAAGAAAAAGGGTGGTTTT
GGTCNAGTTTGGTTTTTATTAAACCCAGNATTTGGAGGGAAGGGGACAAAACCTTGGCTCT
TGCCCAANTTTCTTGGGATTTTCTTTTATTTTCAAGCCAAAACCACCTTTTTNTTTA
AAAAGCCTTGGGACCTGGTGGTTGGGGNCACTTNAATTCCCAAGGTGGAATGGAATAA
ATCCATTCAAANGGGGNTT

Sequence 2709

AGGTACCTGAGAGATGTGTCTGAGGTGGACACCAGAACCACAATCCAAGGGGAGGAGATC
AGTGCCCTATTTGTATCGCACCCACAGGGTCCACTGCCTTGTCTGGCCTGATGGGGAA
ATGAGCACAGCAAGAGCTGCCAAGCGGCTGGTATCTGTACATCACCAGCACATTTGCC
AGCTGTAGCCTTGAAGACATTGTCTTGCAGCTCCCGAAGGCCTCCGATGTTTCCAACCTC
TATTGTGCATCCAGACCTGCAGCTGAACAAACAAGTTGNATCCAGAGGGGTAAGAATCCC
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CCAGGNCGACCATTGAACATTTCCGAAAACCAAGTTGAAGGGAGGGAAACCTTTAACAC
CTTAACCAAGAATCTTTNAAATCANCCCTAAAAAAGGGGGAAAAAATGCCAAATACCC
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GAAATGNAANCCTTCTTCCCTNNGGTTTTNAAANCCTTGCNCCCGGGGCCGNNCCCGCC
TTCTTTANAAACCTAGGGTGGGATTCCCCCGGGGGCTTTGNCNANGGGAATTTTNA
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Sequence 2710

CCGGGCAGGTACAACACTCTGTCCCTACAAGGGCACAGGTGCCACCTTGAGCAGCTGTGA
CTATGTCTAAGGCCATCCGGTTTTGCATCACCACCTTCTGATCTGATCAATCTCATCAA
TTAACAAAAGGAGGGCAGCTCAGGTGTAATTCATGGGCCAATCTCTGTGTTCTGCAAGG
GCTGTAACCTGCATTTCTACAGTGATGACACCTGTTCCAGGGACAGTTATTGCTAAGGGG
TAGAAACCACTAGGGGGCTCAATGCACTACCAAAAACTGGGGAACACAGCCACCTTCCC
AAGTTATGTGTGTGACTAAAGCAATGTGGGGAAGCACAGTTGGCAGGCCACAAGAAGGCC
CANTTCCCAGGGTACCCTCGGCCGCTCTTAGAACTAAGTGGGATCCCCGGGGCTTGCAG
GGAATTGCAATATCAAAGCTTTATNCGATACCCGTCGACCCCTCGGAGGGGGGGGGGCC
GGTTACCCAANCTTTTTTGTCCCTT

Sequence 2711

TCCAACCAACCTGAGGCTCTCCGGGCACGAAGGAAAGGCACATCTGGCAGCCCTCGCT
AATCTCTTTGGGGACCAGAGGGCGACAACGACGCGCCACTCTTACAGGAATTCCTTAC
CTCTTCTTCTATGATCCTATCTCAGCACCGTCTTTGGGAGATTACGCTCCATGACTTGG
CCAGGGCTGGACCGCCCGTCAGCCCTGCACTCTAAAGAGAGTGCACGGGCTTCTGAAAGG
CAAAGAAAAAATCCAACGGGGACGGCGACAAAGAACCAAGCCCTAGGG

Sequence 2712

CCTNAGGAGAAATAGAACAGCGCAGGCAAAAGAAAGAAAGGCGCGGGCTGGNGNGGAAGAG
GATTCNNACNAAATTNNNNTGNATTAGCAGCAGAGCGAGAAAGGATGATAAGAGGCAGAN
AAGGCGACGGCANAANAAAAAAGGAAAAAC

Sequence 2713

GCGAATTGGAGCTCCACCCGNGGTGGCGGCCGGGGGTAGGATGGGAAGCCGTGGGGCAAG
GGAGGTTGCAGGAAGCCCATCCTTCCCCCTCTGCGGCAGGTACCT

Sequence 2714

ACCCAGCACCGCTCTCTCAGCCTCCCCATTTCCAAGGATCAGGGGNGGATGGCTTCATTT
CTNATGACTNTNTCCCGGCANCATAACACTGAAATTCGAATGGCAGTCANCAAAGTGGCT
GATAAATGGATCATCTCATGACTAAGGTTGAAGAGTTACAGAAACATAGTGCTGGCAAT

Table 2

TCCATGCTTATTCCTAGCATGTCAGTTACAATGGAAACAAGCATGATTATGAGCAACATC
CAGCGAATCATTTCAGGAAAATGAAAGATTGAAGCAAGAGATCCTTGAAAAGGAGCAATTC
GGATAGAAGGAACANNAATGGACCAAGGATTAGTGGAAGTAATTGAACCGAAAATCAAGA
GGTATTGTTTGAAGCAGAGTAACCCGTATGATGGGAGGAAGAGGAACCAACTCACTTCAG
TACCAGCCCACAGGAAAACCACCACAGGGCAAGAAGTAATTGGCATGCTGGAACAAGAAG
AAAGGCCCAAGGGTTGACAGGANGAGTTAAGCAGCGGCCCACTGCACAGGGTCTCTCATC
TTGCAGCTGAAAATGGACTGGCTCACCCAAAAAAG

Sequence 2715

TACCTCCACCGCGGTGGCGGCCCGCCGGGCAGGTACCTCTGTGGAAATCCCTTCCTTCC
AGAAGCCTCCACTCACTTCTGATGCCAAGGAGCTTCTGCGGCGCCCTGCACGCACCTTTA
CAGATGCAGGTGGCTGTTTCTGTGTCCCCCGCT

Sequence 2716

GAAAATCCACAAGCACAGAATANAGGAGATCTCANAGGAGCCTGACTATTTNTNAAACCT
GCAGAACGGCTGCCTAATTTACAGCAACCATGAGGCCACTTAAGGATGCAGCAAGAAGGA
GCCATCTGCAANTCCAGGAAGAAATTCCTTGCCAGGAACCAAATGGNTTGTACCTTCA
TCTTANGACTTTNTAGCCTCGAANAACCTACCAAATGGGTGATTGATCATTANGTCAAG
GGANTAGGTCTTGGCAGNCAATTTGGAGCATTGNTCAACTTTTACCATTGGGGGAGNTT
ATCCCATTTTGAATTGACCGAATTGAAAAATGCCCTTGATTTTANGGAAAAAACAGGAA
GNTCTTGGGAATCANGATTTGGAAATTTCCCTTAGGACAACCCAAATANCCANTTGNITGG
GGGAATTACCACCAAAACCCTTACCTTAAGCCCTTATGGTTGGGAAACAACCNNTNGAAAA
AGGGCCCAGTAAATGGAGGGAA

Sequence 2717

TCGTGGTGGCGGCCCGCCCGGCAGAGTACCATGTGAAAGAAGTTTTCTATCATGGANG
GNNAGGTTCAATTATACACANNGTANTNNATTAGCANTCCTTCCAAAGAAATCCGTAATAT
TTGGATTGGCCGCCATTTTGCAGCANGAAGAGTTGCACAAGCCTCCTGCCTCAGTTGTAC
CTN

Sequence 2718

TTTTTTTTTTTTTTTTTTTTTTTTAAGGGGCTTTAGTCAGGGCCTTTTGTTTTACAAG
GAAATGGCAATTACNACTGGTTTTGATAAGGATGCTCTGACANAATCTTTTTNTTCATGG
GACTGCTTTTCATGATGCANCACCTTGCAAGTATTTCTCTTTCTTTGAAATCACTGGTATT
GCCCTTTATTAANCCACTTGCCCTTATTNTTATTTAGGAATTACTATGTTACCAAAGTT
TCANAATNTTNCANACTGAAAGAGCCNTGAAT

Sequence 2719

ACCGNGGTGGCGGCCGAGGTACGCGGGGATGTGAATCACTTTACCATNACTGGCATGTTA
ATAANGGAGGTGGTCTTACAAANAATGNTTNGGTTAGTTCTACTATAAGGATCCATGT
TTTCTGAGGTCTGAAGTTTTTACATATGGGTAGGCTTTCTATAAGTGGGTATGAAAGGAA
ATATTTTGCTAGACGAGGTGGCCCATGCCTGTAATCCCAGTACCTGCCCGGGCGGCCCGC
TCTTAGAACTAGTGGGATCCCCCGGGCCTGCAGGNAATTTCCGATATCAAGCTTATCGA
TACCCGTCGGACCTCNAAGGGGGGGGCCCCGGGTACCCAAGCTTTTTTGTTCCTTTA
NTNGAGGGGTTTAAATTTGCCGCGCTTGGGCGTAATTCATGGTCATAGCTGTTTCCCTGT
GGTGAAATTTGTTATCCCGCTTCACAAATTTTACAACAACANTANCGGAGCCGGGGAGCC
ATTAAGGTGTAANNCCTGG

Sequence 2720

CCACCGCGGTGGCGGCCGAGGTACCTGANAACTGGACTATCCACACCTGGATTAGGCAG
NGTCTAAAATATGATGCACAAGACAAAGCCCTATATACCTTGTAATAAGGTTCAATAT
GGAATTTTCCAGATAACTTTACATTCAATTTACTGATGGATTCTTTCATAAAGAAAGAA
AATTACAAAGATGCTTTATCTGTGGTTTTTGAGGTCATGATGCAAGAAGCCTTTGAAGTG
CCTTCCACCCAACCTTCTCCCTCTATGGTTTTATTTCAATTTGCCTGGCAAAGGAAGACA
GGACTTCAGTTNGGGGAAAGGAGGAGGAGGNAACTTTGGGTGCCATCCCTTTTGGCTTGC

Table 2

CAGGCCTAAAGAACAAANAAGGAACCTTCAAGTGGGGTTTTCAANNNTCCCAGTTTTGTAA
TGGGCTATTGCACTTTCTTGGGGGAAAAGGGTGGGAGTTTGCAAGCCAAAGGGNCTACC
GGGGGCCTGNGGTTACCCCTTGCCCCGGGGCCGGGCCCGNNTCCTTAAGAAAAGTTAAG
GTGGGAATCCCCCCCCGGGGGCCTTGNCAANGGNAATTTCCCGATNATTCCAAANGNCT
TTTATTCCGGANTAACCCCGTGNCNGACCCCTTCGNAAGGGGGGGGGGGCCCCCGG

Sequence 2721

ATGCCTTTCTTGGACATCCAGAAAAGGTTCGGCCTTAACATATATCGATGGTTGACAATC
CAGANTGGTGAACAGCCCTACAAGATGGCTGGTCGATGCCATGCTTTTGAAAAAGAATGG
ATAGAATGTGCACATGGAATCGGTTNACTCNGGCAGAAGAAAGGAGTGCCAAGATAAGA
ATATGGANGATTTCGTTANNAAGTGTTTTGCTTTCGGCNGGAAAAACCGATTGTAGGAC
TGTGGCAAGGNTAACCCCTCGGGCCCGGCTTTCNTAGGANNCTTAAGTGGGGATTCCCCC
CCGGGGGCCTGG

Sequence 2722

CACTTAGTACTCATTTTTTCGGCAAATGGTTTGAATCCTTACTGGCTTGACACTGCTTTG
NTAATTCCTAAAGCAGATGCACTATGGACANGAATCCACCAATATTATGCTGTGAACCTC
TGTCAGGACCGGAAGTGGCTGCCAGATTCTTGAGGTGGATTACAANGGAGCTTGAAAGCC
CCCCGNTACCTTCGGCCGCTCCTAGTAACTANGTTGGATCCCCCGGGGCTTGCAAGGN
AATTCGAATATTCAAAGNGTTATTCGNATTACCCGTTCCGACCNTTCGGAGGGGGGGGG
GG

Sequence 2723

CGGACCACTCAGAGTATTGGTATCTTGTTGGCCTGGTATCAGCANAAACCAGGGAAAGCC
CCTAAGTTCCTGATCCAGAGGGGCTCTAAGTTTAGAAAGTTGGAGTNCCATCAAAGATT
CAGCCGGCAGTGGGATCCGGGGACAAGAAATCAACTCTTACCATCACCAACCTGGCAA
GCCTGATGGATTTTTGCAAACCTTATTACTTGGCCCAACAAATATATAAAGGTTCTTTC
TTCCACTCACCTTTTCGGCCAAAGGGGACCGACTNGGAAGAATTTAAACCAGAACTT
GTGGCTTGGCACCATTCTGGTTCTTNCATTNCTTTTCCCCCGCCCATTTTTGATTGAAGC
CAGTTTTGAAAAATCTTNGGAAACCTGGCCCTTCTTGTTTGNCTGGTGCCCTGGCCTGG
AAANTAAACCTTTCTTATTCCTCAAGNAGGAGGGGGCCAAAAAGTTAACCTGGCCCCCG
GGGCCCCGGGNCGGNTTCTAAAAAACCTNNNNTGGGGATTTCCCCCCNGGGNCTTGG
CNGGGGAAAAATTTCCGAATNTTTCTNAAGCCTTANTTCNGAATNACCCCGTCCGACC
CTTTCTAANGGGGGGGGG

Sequence 2724

AGGTACCAATACAAATAGGTCTTTCCATCACTATGCAGGAGGCTCTGACTAGACTTGCAG
GAGATGGAGGCCGGCTGTCCAGGGGTGACGGACAGAGAGAGTGGAGTCTGGGTATCACA
ATATCTGCACTGGATCCAGGTATCCAGAGCATTAGCAGCACCCCTGACGCTGAGCAAAGCA
GACTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCC
GTCACAAAGAGCTTCAACAGGGGAGAGTTGTTAGAGGGGAGAAAGTGCCCCCCCCCGCGG
TACCTTGCCCCGGGGCCGGCCGCTCTTAGAACTAGTGGGATCCCCCGGGCTGCAAGGAAAT
TCCGATATCAAAGCTTATCCGATTACCCGTNCGACCCCTTCGAGGGGGGGGGCCCCGGTAC
CCCAAGCCTTTTTTGGTTCCCTTTTAAGTTGGAGGGGTTAAATTTGCGCCGCTTTTTG
GGCCGTAAATTCATTGGGGTCCATTAGCCTGGNATTTTCCCTTGTTGTTGNAAAAAT
TTGGTTAATTNCCCGCNTTCAACAAAATTTCCANCAACAAAACCATANCNANGCCCG
GGGGAAGCCATTAAAAAGNTGGTTAAAAAGGCCCTGGGGGGGG

Sequence 2725

AGGGCGATGAGGACTATTGATGATGGCGGNCAGGATAGTTCAGACGGTTTCTATNTTCCT
GAGCCGTCTGATATGTTAGTATTAGTTAGTCTTGTNGNGANANGTTAGGAAAAGGGGC
NTTACAANGACNTAGGGGAAGCAGATAAGGNAAAATGATTATNGAGTGGCCNNTGATCANT
GAAAGGGNGGATAANGCTCTTCTATTGATTAGNGGAAGGTAGCNGTNTTGTAAATACC
CNTACTTTGCCCGCCTGCCATTGGTNCCATTNCCCGCGGTTACCCTGGCCCCNGGGGNC

Table 2

NGGNCCCCGNTTCTTAANGAAACCTAAGTTGGGGNATCCCCNCCCCGNGGGCCTTGNCAG
GGGAAATTTTCGGATTATTTCAAAGCCTTTNATTNTGANTTTNCCCCGTTCCNTANCCC
NTCAAANGGGGGGGGGCCCCCGGGGTACCCCCAA

Sequence 2726

ACCGGGACATCCGGCTGATGGTCATGGANATCCGCAATGCTTATGCTGTGTTATATGACA
TCATCCTGAAGAACTTCGAGAAGCTCAAGAAGCCCAGGGGAGAAACAAAGGGAATGATCT
ATTGAGAGCCCTCTCTCCATTCTGTGATGAAGTACGCGGGGAATCAANAATTTTGGCCG
TGCAACCTGGGGANNAGCTTAGGCCTAAAGTTTGGTCATTGATGCCAGAAAGCTACTTCA
ANATNGCANTTNCGGCTTTGGTCCTGGCTCTTGGCCCCCTNATCCCTTGGTTTTCTGGGAA
ANTCCCTCCAGTTCAAAGGGTTATCCCTACCGNCGGGNATGAAGCNCAGNGGTTACCCCT
CNGGGCCCCGNNTTCTTANAACCTTAGGTTGGGATCCCCCCCCGGGGGCTTGCCANGGAAAT
TTCNGATTATTCAAAGGCCTTTATTNCGAATANCCCCGTTCCGACCCCTNCGTTAGGGGGG
GGGGGC

Sequence 2727

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGGGCAACCGAGGCTGCAATAGCTCCAGA
ACTGGCCTCCACAGTGTCTTCTCTACGGGAGTCAGCTGGTTGTGTCACTTGACCCCTCT
TGTTGCTAAGAGGCAGCAGGGACACCCATTTCACTTCCGCTTCCGGTTGTCCCCCGCGT

Sequence 2728

GGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACAGGTGTAGAAGACAGTTTGGCCT
TCATCGGCTGAACGCATCTGTCTGGTGTGGTATGCCATTCCCTCATGACCACATCGAGGG
CAGCGCCTGTCAACCACAGGTCCCTGGCACTCAGGCCCTTCTCCACCGACATAGGCATG
GCTGTCCCCAGTTGGTGGAACACAACCGAAGTCTTACAACCTTCCCTCAAAGTCCCGA
ACGTTTGATGTTGAAGCCACAGCGAATACAGGTGACCCGTATCCTTGAGCCCCGGGCAAG
AGGCAGGACCCGAGCCCGCAATCTTGAACAAGAAATCCAGGTCCCGACTTGAAAAGCT
GGGAAGCAAGTTATTGGCGAAGGGTCCCATGNACAAGACATGCGGGTCGGGGTCTTTTTG
CGACCAAAGGAAGCCGGAAACGCCCGGNAATTTCCCAAGACAGCGTTTCGGGGTTACCN
TGCCCCCGGGGCCGGCGCTTCTAAGAACTTAAGTNGGGATCCCCCGGGGCTTGCA
GGGAAATTTCCGATTNTTCAAAGCCTTTATTCCGATTACCCCGTTTCAACCCTNCAANG
GGGGGGGGGGCCCCCGGGGTACCCCCANGCCTTTTTTNT

Sequence 2729

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAATGATTGAAACATTTTATTAA
TTCTAATATTTCTGAGAACCCTACTGTGTTCTAGGAACACATAGTTACACAGATGATGTA
TGAATGAGACAAAATCTGTATCTTNTAGTTGCGCCAAAAGCAGTAATTTCTAAGGTATGT
GTGGTGGGGAAAGGGTGTCTGAGGAGAGGGAGATGGGGAACANAATCACTTGAGAGTGA
GGATTGTTCCTAATTAATTAACATGCCCACAAGAATNTGCCATNTCCACATCAAGAAT
CATTGCTTTAATATAGATTGATGAATTGATGACGTTAATGAGTTGATGACTGTCTCCAG
GTACCTGCCCG

Sequence 2730

GGGACCGNGCGGNAGCGCAAGCCATCTTCAACAAGAGTCTCAACAACCCAGGAGCCGCAGG
GAGAAACCCGGCAGAAACCCGGGAGGAACCCGGCTCTGAGTTTCCGAGACAGCCCGCTT
TCCCCCGCGTACCT

Sequence 2731

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTGAAGTTCTCAGGANA
CCGCGTATTCTTAGATTAGCCGCCGAAGCCATACAGAGTGCGCCCTGACGTTTAGGG
CATATACTACATCCATGGCTGTGACAGTTTTCGCTTGGCGTGCTCCGTATAGGTGACGG
CGTCTCGAATAACGTTCTNTAAGAAAACCTTAAGCNCACCTCGAGTCTCCTCATAGATAA
GACCGGAAATGCCGCTTGACGCCACCCGCGCCGAGCCAAACGGNGAAATAGCCGGTTTTG
TAATGCCCTGGATGTTATCCCGGGAGCCACCTTTACGATGGCGCTTTAAACACCCAACC
CTTTTCCCCCAAANCNTTTTTTCCCGCCTTTTGCNCGCGGACCCAGGACCATTGAATT

Table 2

TCCCTAATTTCGGCAAGTTCCCCCGGCGGTACCCTTTGGGGCCCGGTTNTTATAAACT
TNAGGTGGGGATTCCCCCGGGGGCCTTGCAAGGGAAAATTCCGATTNTTCAAAAGCCT
TTATTTTNGAATNACCCCGTNCGGAACCCCTTNGNAAGGGGGGGGGGGGGCCCCCGGGNT
NCCCCCAAGCCTTTTTTTG

Sequence 2732

GTANCTCCACCGCGGNGGCGGCCGCCCGGGCAGGTNCGCGGGGGCTGAATAAAGCCGTGT
CTCATCTACCTGCTGTCTCCCAAGTGTCTTCCAGCTCCCTGCCCCCTCATCAACCCACTC
TCCTCAGACCTCAGCTGGGGCTTGAACCTGATAATTGGTGTANTCACCAGGATGAGATTT
AGAAGTGGTGGTGCCCCCTCTTGACAGCATTTGGCAGTGTGCAATTGGGCCATCAATAA
ATCCAAGGTCCAAGGGCCGGAANTGTCTGCCAAATCTTGGGAGTTATTTGCTTCAAGC
CCACAGGTTGGGCATGCTCCAACAACATTGGTGGGACCTGGGCCTCACACCCATTGTCCT
TGAGNGTGGGCCAAATGTTCTTCCCAACTGTNGNAATCTNGCCACCAACCCCTTTCCAA
GCCANCAAACCTGTGGGAATGGGGCCTTT

Sequence 2733

CCAAAGCTACGCCGACCAATCCAAGTAGCGAAAGTCGCTTTGGCCCTGGCCCGTTACCTC
CGCGTCTGGGAAGTATCAGCCTTTACCAGCTACCGGAAGTAACTGCGCACGAAATCTCC
CGCGGGAGCTAAGCCTCTTCGACAAGAATTCTATAGCGCGAGCAAATCAGCATCTCGCCC
CCGCGTACCT

Sequence 2734

CGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACCTCACAAATGATAGTGGCTGAGA
GCCAAATGATGAGCTTCTCTGTGTATGTCTACCTAGCTGTGATTATATCAGGCACAGGA
TTGCGCGCGTGTGCTCTAATCCCACTGTGTCATGCAGGATTTTACCTCGGCCTATGCCT
GCCTGGCAGCAACACAGCCATGTTCTTACACTCCGCCCCCTAGGCCAAGGGGGTCTCT
TAATGGGAACTCGTGACATAGGGGAGCACCCCTGGACCCATAGGCCACAGCAACAATAAA
GAGAGCAACAACCTACTACTAATATTCCTGCTATGCTACCTATGATTATAAGAGCCCAGT
GTAGGCCAGAGCCCAGAGACACCCACCATCTCTGCAGGCGGTATCAGTAAGGTATTCAA
TTGCCTTAATCTCCCATGACATGACACCCCTGCAA

Sequence 2735

TTCACACCTGCTTNTCCTCGGTNCACTTTTGGCTCTGCAACCANTTTAATATNTAAAACC
TGGCCAGCAATCATTCTGCCATCCTCTCCTGCTACAGCAGCCCGGGCATTCTCTCATT
ACATACTGAACGAAGGCAAANCCCTTATGAACAGAGCAGCCACAAATTTGCCATACTTC
GAAAAGATTGCCTCCACATCAGATTTCTTGGACCACCAAGAGTGTGNAGGATTTCCAA
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TTGCTTGGCCCATCNGGTGTTTTNGATNGGTTAANNNGTTTCTCACAAAAGGCCGNAAA
AAACTTNTTTACCCAATCAACCCCAAGGGAAAGGGGTTGTTGGCCAATNCNTGGTTNC
CCGAAAANGGCCCCCCCCCCTTGGGGCTTCCAAGGGNTCCAATTNCCCTGGGGCCTTN
GCNTTGGCCCTGGCTTCCCAANGGCCCTTGGGGGGCCAATTCCCCATTGGTTTGGNCTT
GGCNAACNCCTTTTGGTAGGGTTTTNTGGTNGAAAGGGGGGTNAANNNTGGTAACCCNT
TGCCCCNCGGGGGCCGGGGNCCCGCTTCNTNATGAACTTAAGNTGGGGGATTCCCCC
CCGGGGGCCTTGGGCCANGGGAAATTTCCNAATTATNCANAAGCCTTTTATTNGAATT
ACCCCGNNCCGGACNCCTCTGAAGGGGGGGGGGGGGCCCCCGGT

Sequence 2736

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTGGCTGCACAGCTTTAA
AAAGTTGAAGTCTATTGAAACCTTCTTATAAGAAACCTTCTAGTCAGAGAATTCAATT
TTCTTCTTTTCTTCATTTCATGAAAATGCAGATCCACTGAGAAAGGGAATAAGGTAAAAGT
ATCATTTTCTTTGGGAATCAGGTTTTCTGTGCAGAGGAATAAAGGCCTTTCTTTCCAGG
TCAATTCCTGTTGTGCTGAAGGCTGGGAATCATCACGCCCTTTGGTGTGGGGCCCCAGCT
TTGAGCCTCTGTGATGATGGTAGAATCTGGAAGTCAGAAGCCCATATCCTAGATCAGCTG
CCTTGCTGGGCTGACCTTCAGTGTGATCCTGCATCCCAAACCTCTGACCTCTCCAGAGAA

Table 2

CTTGGGGTGTCTCCCAAGATGCTGGGCCTCTGGGAAGCATCTTCTTAAGGTGAACAGCC
CCAANATGCCTCTTCTTAAGTTGGGCTAAGTTACTCCATGCTGACTATCAACCCCAAGT
GTGAAAAACACGTTTATTNCTGANGGGAACACCGGAGTTGTCCTAACTCTACCTTTG
CTTCTTAANAACACCTTTGCTTTTGGTTGGAAATGNAAAATTTCAAGTAAAGGGGTNGG
GTTTTTTTCCG

Sequence 2737

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CCGAACCTTCTAAGGGAAAGGAAAGTTAAGGAGGCAGGAAAAGCATCTATAGCTCTGTTT
TCGGGATTTAAGAGTATAGGTTCTGGAGGCAGACTGCTCAGCAGACTGGAGCCAGGTCCC
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CATCTGTCAAATGGAGGTGACGAGGGCTGTGGTGAGGATCAAGTGAAAAATTCACAAGGA
GCCCTTAGCCCACTGCTGGCGCTTAGTAAATATTCAACAAATGTTATTAGCAATTTGCT
GTCTGTAAGGACACCTNTACAGCTACTCANNAATATTCTGAGAGCTAGTGGGTCTTTGG
CTAAGG

Sequence 2738

CCCTTTCNAGCGGCCGCCCGGGCNGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGC
NGAAATGATTCTGAGTGAGCANGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTC
CTCCANAGGGTTNGTGGTCTCNCTNGCTTCAANAATGAAGCCGTGGACCTTCACANTGT
GTGTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGNTCCTTCANATGTGTCTGGAGTT
TC

Sequence 2739

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TCTTGATGTTTCTTTGCCCTAAGGCTTGAGGACAGGGAACAAAAATGAGAAACACT
TACCCTATATAAAGCACCCAGTTTACGAGGCCTGTGCGGAACAGAAATGACTCCTGAGGA
AAGGTGGGGGCCGGTCTGAATAGTTGATTTCTCTCTTTAATGAAAAAGAACATGAGGCC
GGATGCGGTGGCTCACGCCTGTGATCCCAACACTTTGGGAGGCCGAGCAGGTGGATTGCT
TTAAGCTCAAGGAGTTCAAGGACCAGTCTGGGCAACTTGGGTGAAAACCCCGCCTNTAC
AAAAAATACAAAAAA

Sequence 2740

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CTGCTTCCCGCTACACATTACTTACACAACTGTTTTGATTTGTCCCTTACTGAAACT
GTCCTTATGCTTAATCATTTTTGTCTTTCTTCATATCTATTAGTTTCTCTCTAATTGCT
TTGATCTGATTTTTAGCTACATTCAGTGTATTTTCTTAAGCCTTTCTTGATTTTGAA
GTGTCCATTTTGTTTCCAACCTCTCTCGTTTTTGTATATTATTTATCTTTAGTTTTT
ATATATTAAGTTTTATCTTTAAGTTTTAAGTTTTCTAATTTTTAAATTAAGTTCCAGCA
TGTGGGTATATAATTTTAATTTTAACTTATGCCCCCAATGGATTACTTAAATTATTC
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ATGGGCATAAATTAAGGTGTTATTTTTTCATGAAAAAGTTAGAAAATTAACCTTT
CTTTGGCTTATACTAATTCAAATTTTTGGGTCTTTT

Sequence 2741

CCCTTAGCGTGGTCGCGGCCGAGGTACTGGGGGGATGCACTTGAGTGCCATTTCTGATAC
TGTCATTGTATGACTGCTGATGCTCGTTTATGTTGTTCTTTGGAAGCTATAGTGAGCCTG
ATGTTTTACATTTTAAAAAATGCTTCCTGAGACTTCTTTAAGCTCCTCTAACTTCTTC
AGTGCAATTTGGGATCAAACTTAGCTCTTAGATCAGCAAACCTGACTTGCTTCTACTTTTG
CAATTTTTCAGGCCTTACCATATTTCTTATCTGTCTTCCACCTGATAGGAAAATCTT

Table 2

GCAGATTGAAACAGTGGTTTCTGGCCTGCTGCTGCAGCAAATCCCTATGTTTATTTAA
GAAGTCGGGCCTATGCTTTTAACCTACAAATGATGAGTAATTTACTTGCAATGAACACAG
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GTGTGTTATTGACAGGTGACTTTAGAGAATGTCATTGGCCNGGTGCGGTGGCTCACGCCT
GTNATCCCAAGCACTTTGGGAAGCCGAGCGGCCGATCATGAAGTCAAGAGAATGAGACC
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Sequence 2742

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACCTGCTGTGCTCTTGCTTGACAGTG
TCCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGAATAAGGCAGCAAGCT
GCTTCCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAT
TGTCTACAGCTTAAGATCAACAAAAATCCTTTTTCATTAAATTATAAAATTCACAGAGAATA
TAAACAATGATCCTTATTATCCCTTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAGC
CCAACTGATTCCCAATGGTGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGCCAG
AACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAGAATGGT
GGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTT
Sequence 2743

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AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCCT
TCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGT
GTTACAGCTGTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATGTGTCTGGAGTTTC
TCCCTTCTGGTGGGTTTGTGGTGTCTGACTTCAAGAATGAAGCCGCAGACAGTCGTGG
TGATCGTTGAGCTCTTAAAGGTGGTGTGGACCCAAAGAGTGAGCAGCAACAAGATTTTT
CGTCAAGAGGGTAAANAACA
Sequence 2744

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TGGAGACAGTAGAGAAAGTTTTGCAGCGTTAAGTATGATGTCACAATTAAAGGTTATAAA
AAGCAAATGTGAAGGTCTTTGTAAGAAGTGGTTCAGTGGGCGTGAGTTGAATTTACA
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AAAAAAGTATATCTTACTTCTGCANCATATTTCTTTTTATCCACAGGTATGCTCTTGA
ACCTTGTCATCAAGTGAACCCAGTGAAAGTGAAACTGAATCAATCTTGTAGTGCCAT
CCAGGGGTCC
Sequence 2745

CCCTTTGAGCGGGCCCGCCGGGCAGGTACAATTTTAGGGGACATAAAATTTATAAGACCA
CGTCTTGACTCTCAAGGGACTCAGTCCACTTGGGAGCATGTGGCAATGCACTGGAGAGTT
TTTCAAAGGGCCCAAATTTCTGCCTCATCATTTCTTTTATACAGATGTTGATAAAGAATT
TTCCTCTGAAAACCTACCTTGCTGGATCATAGAAGTCCATGGCTTTTTTGGCTTTGTGT
AGGCAGCCACTCGGAATGGAATGATTCCACAGAGGTGAGGCCAGGGGCCATGCTCAAGA
CCTTGCCCCCATGAGTGGGTTCATACAGATCCTTCTTGGTTTCAGGATGGGGCATTCTTG
CAGGGTCCCTCCCCACAATGTAGAAATTGGCACCCGCAATCATCCGGGACCTGCAGTGCC
ACTGGACCTAGAAAATGTCATAAGGGACA
Sequence 2746

GATATCTGCAGAATTGCGCCCTAGCGTGGTCGCGGCCCGAGGTACGCGGGGACCTGCTGT
GCTCTTGCTTGACAGTGTCTTGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTT
GACTAAAGGCAAGCAAGCTGCTTCCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGA
CATGCAAAGCACACCAAATTTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTCATTAA
TATAAATTCACAGAGAATATAACAATGATCCTTATTATCCCTTTTACTGGCTCACACAG
GGAGAGAGAAGCCAGAAGCCCAACTGATCCCAATGGCGAAGATTGAGAAAAACGCTCCC
CGATGGAAAAAAGGCCAGAAGTGTAAACATCATGGAAGTAGATGGAGTCCCTACGTTG

Table 2

ATATTATCAAAAGAATGGTGGGGAAAA

Sequence 2747

AGAATTGCGCCTTAGCGGCCGCCGGGCAGGTAAGTCTGAGCTCCACAAACGTGGCCATGGTT
GGTGGCGAAATGATTCTGAGTGAGCAGGTNGAAGTCTCACGTCCTGCTGTGTCCAGAGTT
GGTTCCCTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCAC
AAGTGTGTGTTACAAGCTGTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATGTGTC
TGGAGTTTCTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAACCCGCAA
CTGTCCGTGGTGATCGTTGTAACCTTAAAGG

Sequence 2748

CCCTTAGCGTGGTCGCGGCCCGAGGTAAGTCTGAGTCAAGGATCCAGTGCTGC
CAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTTGCTTATATCATCCA
GGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGA
GGCGTTTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCAT
CCTTAAACGTCCCGGCCCATGTTCAAGGTAGTATCCCGCAAGGTGGGTAAAGTCTGGTC
TTTGAACCTGATGATGGAGGTCTNCACTGAAGCCTCCTGGTAATACGCCATGACTCTCCT
TAAAAGACTTCCGAGTCCTTTCTGTTCTTAGGCAGGTGTGTTCTGATGGAG

Sequence 2749

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCGCCCGGGCAGGTAC
ACACTATGATTGCACAACAACGCATTACCTATTGACGCATTTCTCAGAACACAGCCTCA
TTGTTAAGTGACACACGACTGTATTTAGTTGGCCGTGAGTTTTGCTGAGAGCTAAACAG
CTTCCATTGAGGGTTCTGCCATCTACCTAGGGGCGAGTTGAACTAGGAAGTCCCAAGATC
TCTTCTGTAAACCTTCTATGACGTTTTCTGTCTTGGGCAGACAAGCTGGATGGAGCCTAN
GGGAGGCTGCTTGGCGACGCTTCTCCCAACTGCCGAGCGCCTGTAACTGGTCCCATGG
ATGTCTCCATTCTAGTGACCCTGCTGTGAGTGCCACATCTCAAACCTGCAGACGCAGGG
CTCCCATGACTTCCAATGCTGAAAATGCCAGTGTGGAAAAAAGACTAACTGTCCTCA
GTGCGGTTCTTCGATCAGAACTCCTTGTGGGTTCCAGAAAGCCTGGTTTCAAGACT
CTGACCCTGG

Sequence 2750

CCCTTAGCGTGGTCGCGGCCCGAGGTAAGTCTGAGTGTGTTGACTCTTGTAATCCTCCAG
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GATCTCCATTTTAAACATGAATCTTTACTAGTATATAGCTGTGCAGAATCATGAGGTTGG
TGGCCATCTCGGAGGGAATTTGATCTTCTNNGATTTCAGTTCTTGCATACATACTGAA
GAGAACATCGTGTGATTCGCGGTAGTTGCCGCAAACTGCTCTTTTNTGGCAATGATGA
TGGGCAGTCTGGGGCAGCTTCTTCGGGTATTGCTTCANAACCCATGTACCTTGCCCGGGG
CGGGCCGCTCGAAANGG

Sequence 2751

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CCCGCGCGGAAACCTCAGGCAAAGACATATGGCATCCAGGAGAAAGATGTCTTGCCCCCTT
CTCCAGATAATGGAAACTTTGTGAAGCAAGCATAAATCTATCACAGTGGATGAAAATG
GCAAGTCATTTGCAGTCGTCTTATATGCAGATTTTCAAGAAAGGAAAAATACCTCTTAAAC
AGCTTCAAGAAAGTAAAATTTGTTAAAGATTGCCCTAGGAATCTTATATTTGATGATGAAG
ATTTAGAAAAACCTTATTTCCCAAACCGAAAATTTCCATCATCTTCTGTTGCTTTTAAAT
TATCTGACAATGGAGACTCTATTCTTATACCATCAATAGGTATTTGAGAGACTACCAAA
GAGAAGGAACCCGGTTTCTTATGGACACTACATCCATGGAGGAGGGTGCATTCTGGGTG
ATGACATGGGACTTGAAAAACAGTACCTGCCCCGGCGGCC

Sequence 2752

CCCTTAGCGTGGTCGCGGCCCGAGGACGCGGGGATGAGATCTGGTTGTTTGAAGTGTGTA
GCACCTCCACCTTCTCTCTCCCTCCCTCTCCCTCTCCTGCAGCCAAGTGAAGACATGC

Table 2

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GTTATACCATCCACTCTGAAATCAATGTGACTTTAACTTCAGTTCCATACAGAACTTCT
TTTCCACAGGTAAGAAACGGTTGAACTGGATGCAATTTTATCACAGCTTGTGTAAGACT
GCCTCTGTCCCTCCTCTCACATGCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGT
TGCCAGCTCATTGCTCTTATAGCCTGTGAGGGAGGAAGAAACATTTGCTAACCAGGCCAG
TGACAGAAATGGATTGAAATACCAGTGTGTGAAGCTGAATGATGGTCACTTCATGCCTG
TCCTGGGATTTGGCACCTATGCGCCTGCAGAGGTTCTTA

Sequence 2753

CCCTTAGCGTGGTTCGCGGCCGAGGACGCGGGGATGAGATCTGGTTGTTTGAAAGTGTGTA
GCACCTCCACCTTCTCTCTCCCTCCCTCTCCCTCTCCTGCAGCCAAGTGAAGACATGC
TTACTTCCCCTTCACCTTCCTTCATGATGTTACCATTGGAATGACATACTGCATCCTATA
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TTTCCACAGGTAAGAAACGGTTGAACTGGATGCAATTTTATCACAGCTTGTGTAAGACT
GCCTCTGTCCCTCCTCTCACATGCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGT
TGCCAGCTCATTGCTCTTATAGCCTGTGAGGGAGGAAGAAACATTTGCTAACCAGGCCAG
TGACAGAAATGGATTGAAATACCAGTGTGTGAAGCTGAATGATGGTCACTTCATGCCTG
TCTG

Sequence 2754

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTGTTTTTTTTTAATTTGAAC
AACTGAAGAATACTAAATCAGAGAGTAGCTGAAGCCTCTGCCCCGGTGACCATTGTCAGC
CAGGGACAGGCCCTTGAACAACCTCTTTCCCTGTTAGATGTAAAGTTAGACTAGTGCTTAG
TAGCTCTGAATAAATACTTTTCTCTGTCACTAAAGTGTCTGCATTAATAATAAATATTAA
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TCATACTTGAGCCGAAATGAGATTATTTATTTATAAGCATTGAATGTGGGCCAAGCTGGC
AGGAACATTAGAGTAAATAAAGCCTTGGCTGCTAAACTTTGAAAATAAACTAT

Sequence 2755

CGCCAGTGTGATGGGATATCTGCAGAAATCGCCCTTAGCGTGGTTCGCGGCCCGAGGTACG
CGGGGGCGGACGGGCAGCACTCTTTCTGCAGAAGGTAAAAATCACCTTGCTGAGGAAGCT
TTTCGTCTGCTGATTCTTCTTTGTGACATCGGGGAATAAGGATTTATTTCTAACAGTCTT
GGGGGCTCGTCTGGGATCACCCAGTCTCCTTCGGGTTCGGGGCCTCTGATCCCCGCCCCC
CACCAAGGGGAGGCGCCCCACTGCCTTACTGCGGTGGCCTCAGGGACTGGGAATCCGGAC
TTACCCGTTGTGATGAATAAACCCGGACCCCTCAGCAACGTGGAAAACGGCGAATAGGCTT
GCATTGCACTGCCTCGGGGACCAGATAAACTCTGTTACAGAGCAAAGTAAAGAAACGT

Sequence 2756

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TTTGAGCACCATTGGGAGGTAAAGACCTCAGGGCAGTTGGCCTCTTGTGCAGCTAAAGTGT
TTAGAAAGCCAGAACGAAGTGAAAGGAAGACCCTAGAGTGGGTCAGCTTTCTGCCAAAGA
TAGAGAATATAGCTATAGAATGCTCCCAGCCTACAGTATAGAGCTGTTGTTGGGAAGTGG
CTGCTCAGCCAGTGCCTGTATGCCCTAGCCTCTCACACAGTTGGACTACATGACTAGTTC
TTGCCAATGGAGTGTGAGTAGAAATGACGTCAGCCACTTCTAGAACTGTCCCATAAAAAC
CTCCTACTATCCCCCTGCCTGCCAGCTGGATGTCAATACTCAAAGGCATATTAAGCCAT
GTTTTTAAAGGGTATGTCAGCTTGGATCACTGAATACCTGTATAAAGCAGAACCCTACTG
TAGATTGGATGTTAAGTGAGCAAGGAATATATTTCTGGGTTATGTTAGGTCATTGAAATT
TGAC

Sequence 2757

TGCTCGAGCGGCCCGCCCGGGCAGGTACTGGGATTACAAAGCATAGGCCACCGGGCATGGC
CCCAATTCTGAGCATTAAATTTATTTATTGGTGAGATGAAAGTGGTAATTTCTGTTCTTCT

Table 2

ACCTTTCTAGGTTTTGAGACTCAAAATTAATAATACATGAATTTTTGTGATAAAGCCCT
AAATAAATATAAGGCATTGATATGAATCACTCCATGTATTCCCACCCTGGACCTTGGCTT
CAACCTGATATTATGCAATAGAATAAGTATNAGGATAGCTCAACTTGGATATGCTTAAAT
CTAGCATGTTCAAAATATCCCCTGCCCATCTCGATCCTTTATTTCTCAGCTTC

Sequence 2758

CCCTTAGCGTGGTCGCGGCCGAGGTACATCAGCCTGTCTTAGCCTGAGCTGCTTTGAAGA
CCATGGGGTCTTGTGTTTCCAACCTCGAAGTGCTGATGTGGACAGTTTGCCAATGTTCTC
TTCTATTGCAAGTTCAGCCAGACTCCATGACTCATCTGATCCCTTTTATGGCCAAATCAT
CCTTCAGAGTAGGGAACACTCAGACATTCTGTGCATGTTGTTCCCCCAAAGCATGGTCAT
CACAAAAGTCCTGAGTTCTGGTGTGTGCTCCCGCCTCCTGGGTATACAAGAGAGAAGGCA
GGAATCAGGAGTTCCAGAAGCATATACATGTGGCTACCCCAGCAACAAGCGCATCCTGTG
CTCAGATAAGCTGCATGGTTGGGAGTGTTTTTCTCGCACGTTGAGGCTTAGNGGAGATG
GGCACCACTGCCATTTGCTTCAGAAGAAGGGCTGGTCTGGTCTTAAGTGGCATCCCCNA
CTGCCNAGATCATTCTAGGAATAGGTTATTTCTGAAATGTTTTATTAGAATTTCTTAATA
CCATCCTGGTTTGGGTCANGCCAATTNCTTTNGATTGGGAAAGGGTCAAC

Sequence 2759

CCCTTTGAGCGGCCGCCCGGGCAGGTACCACTTTGAGCTGAGCAATGGACGTGGACAAG
AACTCCACTTCCTGGTCCAGCTGGTCTTGAGCATTCTAGCTGCGGAGATTGAGCTCCG
TGATGTTAATAGACTGCGCCATGTTGGGAAGGCCGACTTAACGAAGAGCCCCGCGTACGC
GGGGACAACAAAGAGCTGGCAGCTCCTGAAGGAAAAGGGCTTGTCGCGCTGCCGTTCAAA
CTTGTCAGTCAACTCATGCCAGCAGCCTCAGCGTCTGCCCTCCCAGCACACCCCTATTAC
ATGTGTCTGTCTGGCCTGATCAAGTGCATCTGCTCGGAGACGCTCCTGACAAGTCGGGAA
TTTCTCTATTTCTCCACTGGTGCAAAGAGCGGATTTCTCCCTGCTTCTTCTGTACCCC
CCGCTCCTNTCCCCAGGAGGCTCCTTGATTTATGAGNAGCTTTGGACTTGCTTCCCCGTC
TGACTGTCTTGACTTCTAAAATGGAAGAAGCTTAAGTGGTGAAAGGGAAAGACTTNAGG
CCATCACAAGATAAAAAAGAAAATNCNG

Sequence 2760

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTCTGTGGAAAAATTGTCTTCCATGAA
ACTGGTCCCTGATGCCACAAAGGTTGGAGACCGCTGCTTTAGATGGTGAATTAATTGTAA
GAAGGATAAAATATGTGCCACTACTTACATACTATAATTTTATCTATCTTCAGTTGGAA
CTGAAAAAAAATCAAGTTAATGGTTGCAGAAATAATTCAACGTAAAAAAGTGAAGTT
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GAAAACCTATTTAGTGCTCTAGATGCAATCTAATAAGGGAGGGAAAGTAGGTAATGGAAA
AGTCAGAAACAATCTTTAGATCATTATTCAGATCCAGTTAGCCCTCCAAAGCGTANACC
TTCTGTTACATTGAATT

Sequence 2761

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGAGGCTTTTGACTTCTGGTTTTAGAC
TTTCTTTAGCTTCTGTTGTTAGACAACATTGTGCAAGCTTGGTTTTATAAGTTTGCGTG
GATTAAACTGAACTTAATGAAATTGTCCCTCCCCCAAATTCTCAGCACAATTTTAGGC
CCACAAGGAGTCAAGCACCTCAAGGAGATCTTCAGTTTGAACCTGGTGATACACAGGGA
TACTGATGAATCAATATTCAAATTAGCTGTTACCTACTTAAGAAAGAGAGGAGACCTTGG
GGATTTGAGGAAGGGTTCGTAAGGGAGATTTTAGCTGANAAATACCATTTGCACAGTCA
ATCACTTCTGACCAAGTTATCAGAAAAAGGAGAAAAGAATGTCTCCCCACTAAATGTTCT
AGGGTGGGTGAGAAATCTAGGTTGGTTATCTAAATCAACAATATTTAGATATTCCAATAT
CTAAATATTGGTGGAATCTCTCCTGAAGTGTTCAATTGAACTCTAAAAGAGACAGCTTGT
GTATCAAGTGGCANGGGTTTAANGGTCAATTTTTATTCCCATATTAATCCTTTAATATT

Table 2

TAAACAAATTTCTTCTTGAGTTTAAGGATAAAATGGGGATGGGTNTTGCCTGGGNCCT
GGNCCCTCATNGGGACCATCAAAAGGGCAATGGTTGCAAAAAAAAAAAAAAAAAAATTNN
ACCCTTCAAATTGCATTGGGGGAAC

Sequence 2762

GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGGTAATAAACATACAAACA
AAATTTAAAAATTAAGAGTTATTGAACCTAAAGATAAGAAAAAGGTTAACCTGAATTAT
TTGAATAGCCAAGACAACAAAACCTGAAGGATGCTTAAAGCTTTCTTAGGAAAGCTACTT
TCTAATAGGAAAAAGGCGTATCCAACCTAGAACTCTTAATAGTTTCAGCCCTTTTAGAAG
CTGTCCCATCATTTCAAATTTTGAAGGCAAGTCTTGGCAAATTGCTAGCTAGTGTGGGT
ACTGTGATTTAAATTCAGGTAGTTTAGATCAGAGTTGCCATTTTAAAGCATTAGTCTATA
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ATAAAGAAGGCAAAAAACAAGTGTCTGCTAGGAATTACTAAAACTCAGTATATTGCATT
TGGCAAAGTAAAGCTTAAATTAAGAAATCATCATATCATTTCAATTTAGAAAGTGAGT
CTTACTTGGTTTCCCT

Sequence 2763

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CTCTGTCTTCTCCCTCAGGAAGCAGAGAATTATCAGATTGGTGAGAGAAAGGAAATAAA
GGTCTGAACATGTGTCTCAAGTCACCTCTTTTGGGAGCACTCTGTTCTCAGTTTATTTTA
ATTCTGTTTCTCAATTTAATGAGTTTACTAGAGCAGGGTCCACTATTACCCTGTGGAGAT
CCTTAATGATACATGGATATGTTAATCTGGAATAAAGTAGTTAACTGGCTAGTGAT
TATGCCACATTGTTAGAGTCATCTTTGTCAATAAGAAAAGTTGTTTCATTTTATGACATC
TGATCCATTTCTTCAGAAAGTGTGACTATTATTCATATATCCCCAATACACACAAAATAT
ATAGTTTAACTAAATTTTAACTGTTACATATTTTCTGGGTTACTAGCTAGAGACAT
CCTGGTTGTTTCCAATTTGTTGTAAGTGGAAATTTGATGCTAAACAAGTAGTGTTATGA
CAAGCCTTCTTATTC

Sequence 2764

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACAAAAGTTAAGCTCCATTTACCACTCACTTGA
CAGCGTCCTTTAAATCTGAACCTTGCTCTTGCTCATGCGGAGCTTGGCTAAGAGAAACAG
ATCAGAATGCAAGCTGTAGGTGGGTGGGTGAGTGTGTCCCTCCCACACTGCTCTCTGGT
GGGTTTGGGCAGTCCCTGGCTCTAGTCTCTGCTGCAGATTCTCAGGACCAAAATGTGGGT
GATTTGTCTGGGTCCAGGCAGGAAACAGAAATCACACAAGCTCTTTTATTAGAGATAAT
ATAAAGAATGATTAACCAGGTGACAGTAAAGGGCANGGAAGGGAATACAAANGTATNCA
TGGAGGTAGCACACANGGAAGCAGGCATTACACTTTGAGGCTTGGA

Sequence 2765

GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTAATTCATTGTAGTT
CCTAGGTTAGGGTCAAGGTCTAGAGGTGGACCAAGCANCTAGCTCCAACTGCCCTCCCT
GTTGCGTGGTTCCAATCCCTGCTCACCTTGACAGGTTGCAGGGTCCCATGACACCCTC
TGCTTCTCTAGACACACCTGCATCCTACCACTCAGGCAAAGAAAGTCCTCTGCTCCAA
ATTCATGATACGGGAGGCAGCATGGTGGATAGAAAATGCATGGGCTTTGGGTTGAGACAG
ATTTGGCTTCCAAATTTCTGGTTCTAGCTTTTGGGAACTGATCCAATTTCAAACCTTC
TGAGCCTCAGTTATCTGCAAAATTGGGATAATAACACTGACGACTTTTTAAAGTAATAA
ATGAGAGGATTACTTTACATCCATTGAACTGGCAAAAATCAGAAAGAAACA

Sequence 2766

CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTGCCTAAGCTTCTTTCCACATGGAGTATAAT
ATGCTACTTCTCCTTGAAGGCGCCCTCCAAAGTTTCTTATTCTTGTCTCTCTGCCCAGC
CATATTCCAATGGAATACGCAGTTCGCGTTCATCTGTTACTCTTCTTTTGAAGTGC
CAGAGTGTGGGCTTGAAGTAAGTGTGGAAGAAGATGTACCGTATTACTTTTCTATTGCTT
CTTTACCAATAAATACAGCTTTGCAGTTTAAACAACAGAAATTTAATTTTTATAGT
TCTGAGGGTCAGTAACCTAAAACTGATCTTATGAAATAAAGTTAAATCTTGGGGATATG

Table 2

GGTGTGGGACAGGGCTGGTTTCTTCTGGGGCTCTGATGGTAAAAATTTGCTTCCTTGCCCTT
TNCTCCTTCTAGGGAGCCTGCATTCCCTGCCTCCTAGTGGCTTCCTCCCATCACTCGAAC
CTCTGTTTCCAGCCTCAGGATTCCTAATGTGACTCTGACCGTTTCATCTCCCGTTATGAG
GACCCTCTTGAATTGGTAAGAATCATACGGNGACACTATGGAAGTTAACTTGAAGAATAA
AACCTGGAAAAATAGAAAGAATCTTCTATGGGTTTATCACAGAAGATTACNAAGGGCCTG
AATTANNAGTGGGGACAATTCATCCCCTGGAAAAATGGGATAAAAAACAAITGAAATGAAN
CTTTGGGGGGAACCTTAACAGGACTTTATGGCAAACCTTCATATGGGAGACTTACNTGAAGG
GAGGAAAAATCCT

Sequence 2767

CCCTTCGAGCGGCCGCCCGGGCAGGTACATTGTAATTATGTTTGGTTGCATGGCTGTCT
TATTTCCCTTTGATAGATTTAGAGACCTCCCAAAGATTTCTTGATTAGTGATAAACTTAG
TTATCCACTAATGGAAGGAACAGTGATGCATGTAGATTATAGAAAATCAAACACTGAAT
ATTCTGATTCTCAATTAATGTTATTTTCAAATGATTTTGATTATATTAGTATTAATTTGT
ATTATTCAATTTTTTTTCCCCAGTATGAGAATAATGTTATCACTATTGATCTGGTTCAAAA
TTCTTCTCAAAAAACTCAAAAATGGATGTGGACATAGCTGATGTGGCTTATTATTTTGAA
AAAGATGTGAGTATCATCTTCTTTATTCTGGGTCAGGAATGTAAGTCTATCATGCCTCA
ATGAATTAATATATTTTATCACCTTTTATCCACTTACAGATCAACCAAATGGTTCCCT
TGCTGCCGGTAATTTTGGCCCCCTGCACTCACATGCATCTTGCTTGGTTGGATTTTAA
GCCNCTTATCAATTGGTCTGNCCAAAATATCTCCCCTCTTCTTAAAAATC

Sequence 2768

CCCTTAGCGTGGTTCGCGGCCGAGGTACTGTGAATGCAAAGATTCTGAACTAAATAAAAA
GAAAGATAGTAAAGACTAATGTGCTATAAAGGCTAAGGGAAAAATAAAAACCCATATATT
AATTTTCCCGGCCATCTTAATTTTTCAGACCCTTCCAAGTAAGTCCAACGAAAGCCATGAC
CACATGGATGATATGGATGATGAAGATGATGATGACCATGTGGACAGCCAGGACTCCATT
GACTCGAACGACTCTGATGATGTAGATGACACTGATGATTCTNACCAAGTCTGATGAGTC
TCACCATTCTGATGAATCTGATGAACTGGTCACTGATTTTCCACGGCCTGCC

Sequence 2769

CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTAACTTCATTAA
CCTCCAGGCTTCTAAATCCCATGCTGCATTGCTGTTTTGGATGATAAGCATGCGACATGA
CCAAGCCTAGCTGCTACATCAGTTCCCCTCTAAAGCCACTCAACATTACTATCAACATAA
AAACAGTGCATTTGCTATGCATTTGCAGTTTTGTCATATCCCAGCCAGACTGCTACCTA
AAACCTTTCCTGTAAAGAAATCTC

Sequence 2770

CCCTTAGCGTGGTTCGCGGCCGAGGTACATCAGTGATCACACTGTTATTTCCAAACGACC
CTTCAGCTGGATACGACATTTCTGATTGCAGCTGTGCTTATTGCACTTAATAATGTTCT
GGTCATCCTTGTGCCAACTATAAAATACATCTTCGGATTCTAGGGGCTTCTTCTGCCAC
TATGCTGATTTTATTCTTCCAGCAGTTTTTATCTTAACTTGTCAAGAAAGAACTTT
TAGGTCACCCCAAAAGGTCGGGGCTTTAATTTTCCCTTGTGGTTGGAATATTCTTCATGAT
TGGAAGCATGGCACTCATTATAATTGACTGGATTATGATCCTCCAAATCCAAGCATCA
CTAACACAAGGAAAAATACTTTCTTTTCTATTGGAAATGGTTACAAGTTATACTCCAAA
AGATATTTGAATTATCTTGATTGGAATGTTATTCATAGGAAATAACAGGAAGATTCCAAA
GACGTTTACCCAGTAATATCACCAGGCACCTGCAGAAGAAGGAAAAATCCTGTTTTTGTC
AAAGGATGGGTTGGGGANTGTGTTTAAAAATAAAAANCTNGNGNGCNCAAAAAAAAAAAAA
AAAAAA

Sequence 2771

CCCTTAGCGTGGTTCGCGGCCGAGGTACGCGGGTATTACCATAGGTAACAGTTTTTCACAC
TCTGCCGGCTTCTATGATGCAGCAAACTAAAGTATAAGAAAGCGAATGAAGAGCACCAT
CGTTTACTTAAAGGAGCACCATTAAAGTTAAATCTTACCCAAGGGACTATTTTGACGCT
AATCCTTATTTTCTGAGGAATCTTACCACCAATTAAGAAAGAGAAGAAGAAACA

Table 2

ATTTCAAATACTTTTAAACCGTCTTCTCCTGGTAAAAAGCCTGGTGAATGAAGGCAGGA
ACCATTGATCCTTACCCATCACATTNTGCTGACCCTTATTGGGCTAAATTGGCAAATAT
TTTCTGGCAAAGATGATAAGATTTTCCACCC

Sequence 2772

TCGCCCACGCGTCCCGCAAGATTCAAGAGGGCTCAACGAGCTGTCAAGACAAGATTGAGGC
TTCACCGTCTCCTCCAAGGGTTCCAGAGTGAGGTGGGAGGCTGGTATCTGGACCAGACTG
GCTCTGGAGAGTAGGCGGCATTGAGAGAAGGTGGTACACCAGAGTCTAGACTCCCATGTG
AACACAAGGATGCTATCTGCCCCACCTGTCTCCTCTTCCAGCCTCACTTTACCTGCCCT
AGCACCCCATGCTCTGGCCCTCCCCAGCCTGGAGCTACAAAGCCATCANGACTGGACATG
AGGTANAGGCTGGGCAATTGGCCACTGCTCTTGAGACAGAACTACCCCTCCTTAGTG
CAAGGAGGCTGCGGATGGAGAGGAAGGCTCTATGAGTCTACCTACCTGCTCATGCCAC
CTTCCACAGGCTGCCCATACCCAGGGAGCCCCAGACCATGGGGGACTCGCAGCTGTA
CANGGCTTATGTAGAGTGGAATCTCTTGGATGCAGCTTCAGAAATAAGTTTTCCCTTT
TAAACAATTATAAAAAATCACACATGGCATTTAAAGGAATTTTTAAAAAAGTTTNNAA
TATNCCNNGGNTAANNNGNANGGGGCGGNCCCTAGACTAATCTAANAAAAAACCTTCCA
CACCTTCCCTTGAACCTTGAACATAAAATGAATGCCAATGGTTGTTGGTAACTTGGTTA
TTGCACTTATATGGGTACCAATAAACAATGCATC

Sequence 2773

CTATAGGGAGTCGACCCACGCGTCCGGTTAATATGAATTTTTAATGCTTAAGATTTGAT
TTTTACTTTTCAAAGCAACATTTTGTGAATTTTTTCTGCACAGCTTTCCAAAATAAAA
AGCAGAAGTATAAAAAACCCAAACAAGTCCACCACTCCAGTATTCTCTCCTTCTGCCAAA
CCAGAGCTATGCAGATGCAGGTCACTCTTCTTCCATAGCCTGCTTCTCTGAAGCTCT
GAGCCTGTGGGGCCAGAGGAGTCATCCAGAAGCCATCGGCCAGGAACGTGTGAGCCCAAC
ATGCTTCCACCCTCAGGGTTCCTGGAATGCTAACAGGAGTGACAAACCAACTGCCAGCC
AGGCCGGAGAAAAGATGGAGATACATGTATATATATATATTTATATATTTTTCTTTT
TCTTTTTGAATTTCAACCCAAAAACATATTCCAGGAAAAGATGTAGAGGCTGGGCTGGG
TCTCCTTCAAAGGACATTTCGATATCAAGGACAGTGGGCTGGCCTACAGCCAGGCTACC

Sequence 2774

CGACCNACGCGTCCGACAGATGAGCCCCGATGGGAGTNCACCCCTCAGCAGGCACAGACA
CGCAGGATGGGGTATGCGGATGGACAGACGCCAAGCAGGCCTCACAGCCGAGTGCTGGCC
CCAGCAGCTGCCACTTACTTTGAGCTTCATCCTCTTCTTGTGCGGATCGTGACGACACT
GTGCCTCATGAGACTCTGCTGCAGTGCAAGGGAAAGAAGGACGCTTGACCTGGCCTGCAG
ACGTGGCTCAGTGCTTACAGCATTCGCTGCTCGAGGAGGACACGGGTTTGGTTCCAGCA
CCCGTACTCCAGTTCAGTAAAACTCTTGGTGTCTGCTAACCTTAAGATGCAGTGGTCC
AGTGTGCAATAATAAA

Sequence 2775

CCCTTTGAGCGGCCGCGCCGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTAAATT
NAAGGATGCCATTTAGCAAATATGTTTCCAACAGATACCAATTCATGAACAGTGGAACAG
GGCAGGGCTTCTGGAAATAGTATTCTATAAATTGTGCTTCAACTTGCAAGTATTACATTT
GAAATAAGCAGTTACCAATAAAGAAATGTGCCTGAAGTAGGTACAGTTATTTTATATT
TATATAAACTACCCAGCTAAATACTAAATATAAAATCAATGGGTATATCATTTACTTTC
ACATAGATTCTTTTACNTTGTGCTATTTTTTCTGTAATAAAATTAATATAGCTGAT
TAATGGAGGGTTGGAAGAAAACAAAACCTGAGAAGAAAAAAATGAATTNCAATGGCATT
AGNAAAGGAT

Sequence 2776

CCCTTAGCGTGGTTCGCGGCCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCTT
TCCAGAGGGTTCTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTNACAGTGTGT
GTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCACATGTGTCTGGAGTTTC

Table 2

TNCCTTC

Sequence 2777

CCCTTAGCGTGGTCGCGGCCGAGGTA CTATTGGAGGATCAGCTCACCTGCTTTGCTCTC
GATGTAGCCTAGCTGGGTTTAGAGCCTTCCCTTGAATGAAGAACCCTCCCAGCTGGAAG
GGGATGCTCTTGAAAGCTCAGCTGACAACACACATGGGCATCAAGTCATTGGCCACATTC
ATGCCTCAAGTGTCTAAAACCGAATATGATCAAAAGAAAAGTCTGTTCAGCAAGTGGA
GACTGGCATGCAGATTCCCTGGCCTGCAAGCCTAGTGTAAGAAAGATACCAATACTGCTG
GAAGAATGAAAAGGGATGAAAGGGATGTCATCAAAGTAAGTTTTTCACTTGATGGAAAA
GACTAAAACAGCAAAGCAAGTTCAAGATCAAACACAACACCACAGGGATCCTTTGATGAG
AAGTGAACCTAAGACCATGAAAATGCTGTTGATGATTTTAACCCACCAGCCTTCTTTGAT
TTGAGAAGCCACAAGCCCTTN

Sequence 2778

CCCTTAGCGTGGTCGCGGCCGAGGTA CTTTTTTTTTTTTTTTTTTTAAAGGGCAGCAA
AATCTTCTTGAGAAATTACATTTTATAAGAAACCCAAATAAATCTCGGATAAAATAGATAA
CATTATTAGTAAAGCCTCAATTTGAAAATTCCAAATTCACAACATTTGCTTATTATAGAGT
ATCAATCTATTTTATAAAAGGCAATTTGAGCAAACAAAAATACATAAAATCGCTTGTTAC
ATTTCCCTTCATTTCCGGGTTTCATTTAGTTGTACACGATCAATAAAAGTCTGACTCATAG
AGACGTATAGTTGCAAATGGTAAAAGTTTAAACAATTCATCTCCATTAAATAGACAGCAGA
GGTTTTCTTCTGAAGATGTCATAAAAACAAGTTAAGCTGGCAATAAAAGCAGCACATGG
ATGGTCACCAATGCTAAAAGTTTAAATAATAAAAAAGAAATGCTTTAAAAAATTG

Sequence 2779

CCCTTTGAGCGGCCGCGCCGGGCAGGTA CTCTCCAGTGACATGCTTCTTGACCACAATG
GATGAACTGTGCCAGCATGCCCACTTTCCAATGCTCCACTGATCCCATGTTTTGTTTCT
GAAGGACAACCAGCCTTGAATAATGGCAAATACCTTCTTAAGTTCCTACAAAGTATGGT
CCCTGGGAAGTTTATGTCTGTAAGTCAAACCTTGGGAAGTAACTGAGTTTTGATGCCTCT
TCCAGCATCATCAAGCATCATGCTATTACAATCCCAAACCATGGGGGTTTCTACAAGCT
TTACACCAAAGGGGCATCACTATCCCTCAAAGAGAAGAAACCTGG

Sequence 2780

CCCTTAGCGTGGTCGCGGCCGAGGTA CTGAGCTCCACAAACGTGGCCATGGTTGGTGCG
GAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCC
TTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTG
TGTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATGTGTCTGGAGTTT
CTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAACCCAAACTGTCGTGG
TGATCGTTGTAGCTCTTAAAGGTGGTGTGGACCCAAAGAGTGAAGCAGCAACAAAGAATT
TTTNNGTCAAAAAGGGTAAAGAACAAAATTTTACGGTGTTGGAAGGGGTATCTGAACCG
GNTTCCCTTGCTCCCCCGCTAC

Sequence 2781

CCCTTTGAGCGGCCGCGCCGGGCAGGTA TGCGGGTCTGGGGGAGTTTAGAAGGACTGGG
AAAGAAGACAGACAAATATTGGAGTTTCTGAATTTGTTGCTCAAGAAGAAAAAATAC
AGTGAAAGTTCAAATGGGAAAAATTAAGTCAGAAACAAATTAATTCATATGCGAGTTC
TTTCTAAATGAAGAATTTAAAAAGCCAAAGCAACAGCTGACAATGTTCTCCTAAACCA
GTATTTTGTGTTTGTGTTCAATGGGCCATTCTATTCTGGGAGGCTTTATCCCTATAAAA
ACTTCACCAGCTGGAAAAAGACGAGCAGCCCCAGTCTGTTCTGCTGGTCTGTCTCTCTA
CCACCCCATCACAAGTGATAGTGTAGGACTCAGGTAAGTCTGCTGGAGCCTCTGAACA
GAAGGCACCATCAGAATAAAGCAGATCTACTTAA

Sequence 2782

CCCTTTGAGCGGCCGCGCCGGGCAGGTA CAAAAGCCAAGATGCCCATTTGTGGGCCTGGGC
ACTTGGAGGTCTCTTCTCGGCAAAGTGAAANAAGCGGTCNAAGGTTGGCCATTGATTGCA
TNAATATCTGCCACATTGACTGTNGCCTATTTCTATTGAGAATCAACATGTAGGGTNGGG

Table 2

TAGAAGNCCATTCCATAGTAGNAATGTATCTCAAGTAGAAAGGCCTGGTGTATTGCNGGT
GNAGNGACNCTGGTTTCACCCCGTTTCAGCTAAAGGGTGTGTTCCACACTTTTCTTTT
TGNANGAGAACCNCCTTTGNTTGAAGGGAAAAAGGCCCTTTTGAANNAAAGNACNCCCT
TCAATGGGAACCCCTNNAAANGCNTTGAAGNCCTAATTCTTGGGGAACCGNTTCTAATTC
NTTTAATTTCCAACNTTGGGGCCCCACCAAGNGGGNA

Sequence 2783

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTAAAGAAAAAAGAATT
ATTTTATAACCTGAAGTTGGAAAAATTTTANAATATTTTCTGTTTTGATCCTNCCC
TGGCCCCCATTNACCTTAGTATACAGNAATTTACCTTTTTTGGTGGACGTTTTTGCC
CTTTAAGGTTCAATTCNCATTTAAATATAAANTGGATTTATAAAATTATTGCCCTTAA
AATTNAACCTTTCTTGGTTGNTTGTANAAAANTTAGNCCCNCAAGNGGGGGTAAANAAT
TTGAATTTTAAAAATTTCTTANCCACNGGGAAAAACCTTNTCTTGGNCATNCNAATTNA
GGGGGTAAATTAATTTTANAAAANNAAAAAATTGGAAAAATAACCAACCAANACCTTAA
TTNTTTTCTTTTAACCTTAAAAGGA

Sequence 2784

CCCTTTGAGCGGCCGCCCGGGCAGGTACTGGATCAGTTTCTCCTGCGTGAGGTATGGGT
GACACTCAACCTGGTTAGTCACTGGTTTATATTTTCACTCCAGGTTTTGTTCAANTAGCN
CTNTCGTATCTGGTAAGTGGTTTGAATTTGTAGACNCCCAAGGGTCTTTTACTCANTC
NCCTCTCGTTCACNCAAACTTACTCTCATTGGTCNCTTACCAAGGGCCATTNTCNAAA
GTAAACGNTTTCTTTTTTTCCACCTTGNATTCCAATAATATANCNCTTTTTTATTCA
ANTTCTTTTGGGGGGGAAAAAAAAGGGTTCANTTCGCCNCCAGNTTCNTTTTGGAAAA
ATTCCNCTTTGNNTGGNCCCCATGTTTGTANAATTAATGTTAATTAGGTAACCGTTTNC
CAATTATTAANGGCCCTTCAAGTCCCTTTNNAAANGGTTACCCCTNTTGTAAANGGGGGT
TTCTTTTTCTNTTCAAAAAAGGG

Sequence 2785

CCCTTAGCGGCCGCCCGGGCAGGTACTTTCTTTTCTTCCCTCTTCTTCTCTAGCC
CCCTCCCCATCACCTACTCCATCTGCTCCCCAGCTTCTCTTTAATATTGGATAACTAAG
TAGAGAAGGAGGCCAGGAGAATGTGGAAATGTGAAACTTCCCTAAGCCTCCACCTTATTC
GCTTTCCACCAGTCTTTAACTTTACCCAATGGACTCTCTGACCTCAGGGAACTTTGTAG
GCTTTTGAGTGATTTTAACTTTTCCCTGTTTTACTGTGGAATGCTCTATCCTGNGGGTCT
TCGGNATTATTTCCCATGTTATTGGATATTATGCTATTTAAGTAGAAACTTCATAGAATG
CACCTTAATTTTATCATTGCTTTGNACATTTAGTATTCCATTACCAAAGTGATAATAATG
GAATGAGTTAAATAATTGTCTGAATGCAGGCCATTTCCAGAATATTGGGCTCTTTGAG
AACGAAAAANATTTAAATTTGGCTGNGCCTCNAAGGTTTAAATTCNTTTTNGGNTCTAA
ANATTTTTTNCNCTTTT

Sequence 2786

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTAGGTGCTGGGTCAAATTCTGTCTGCT
GTGGTCATTAACGGGAAGAGGTGGCCAGTTGTGTGGGCCTGCCTGAGGCACCACTGGCCC
CAGCTGACCTTTCCAATCAAAGGAATGGCTGACCAAACCAGGATGGTATTAAGAAATTCT
ATAAAACATTTCAGAAATAACCTATTCTAGAATGATCTGGGCAGTGTGGG

Sequence 2787

CCCTTCGAGCGGCCGCCCGGGCAGGTACCTGAAAAACAGCTGGTAGGATGGAGGAACTGA
GCTTTTAAATAGGCAAATGTGGCTAGGAGCTACCATACTGGACAGCACAGTGTATTANTT
TGGTGCAAAAGTAATTGTGGTTTGGCCATTTTAAAGTGGAATGGTAAGCCTGGCTATT
AAAGT

Sequence 2788

CCCTTTGAGCGGCCGCCCGGGCAGGTACTGAGCTCCATAAACGTGGCCATGGTTGGTGC
GGAAATGATNNTGAGTGNTCATGTANAAGTCTCACGTCTGCTGTGTCCAGAGTTGGTTC
CTTCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAAAGT

Table 2

TGTGTTACAAGCTGNTAAAGATGTTGTGTCTGGAGTTTGTTCTTCAGATGTGTCTNGAG
TTTCTCCCTTCT

Sequence 2789

CCCTTAGCGTGGTCGCGGCCGAGGTACCCTTTCTGCAGAAAGTATAAAAAATGGCCTTGCT
AAGGAATTTAAATTTACATTCAAGTGCTATTTCTTTACAGCACCGGAAACAAGCATTTC
AACAGACCTACTATACAATGACAGTAATTAAGATAATGTGATACTGGTGGAGGAATAAG
CAGGTAGACAAATCGAACATAATAGAGAACCCAGAAATAAACCCCTACAAATATATACGC
AACTATTTTTTAAACAAAGATTCAAAAGCAATTCAAGTGGAGAAAAATGACCTTTTCAACA
AATAATGGTGGAGCAGTTGAACATCTACAGCAAAACAAAGCTNAACTTCAACCTCACAC
CTGATATAAAACATGAATAAAAACTATGAACTTTTAGAAAAATAAATAAATAAACCTT
AGGGATCTANGGCCAGGCAACATGTTTTTATACTTCACATCAGATCCATAAAATAAAATT
A

Sequence 2790

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTNTTTTTNTTTTTTAAAGGGGTTTTAGCAC
ATCTCTGCCGNCAGGAANTNTGTTTTAATGTCAAAAACATCTATTCTAATATAATGGTG
AATTTATAAATTTCTCCTTGAGTTGTTATGTAGGTTTATGTATGTTGAACCTGTATTAT
CTGGTATAAGTAACAGAATTCTAGTATCTTCTGGTAACTAAACCTTTTATTGTTATAT
GATGTGGTANAGACTGCAGGTGGCTTTCCAGAAATCACCCTCCCTCAGTAAAGTCCAGT
TTTATTCTGGGCAGCCTAATTACCTTGCAGCAAAGGGCTAATGAAGTTACTAGGTAGAAC
TTCTTGTAAGCACTTTAAGGTCATGTATGTTGGCTCATGCCTGTAATCCCAACACTTT
GGGGGGCCCCGAGGCCAGANGATCACTTGAGCCAGGAGCTCAAGACCCAGACTGGGCAA
TACCNGNAAAAATCCCGNCTNTACAANATAGTTTTTTAA

Sequence 2791

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTTAGGTGCTGGGCTCAAATTCGTCTGCT
GTGGTCATTAACGGGAAGAGGTGGCCAGTTGTGTGGGCTGCCTGAGGCACCACTGGCCC
CAGCTGACCTTTCCAATCAAAGGAATGGCTGACCAAAACCAGGATGGTATTAAGAAATTCT
ATAAAACATTAGAAATAACCTATTCTAGAATGATCTGGGCAGTGTGGGATGCAGTTAGG
ACCAGACCAGCCTTCTTCTGAGCAAATGGCAAGTGGTGCCCATCTTCACTA

Sequence 2792

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTGAGCGGGCCCCGGCCGGGCAGGTA
CGCGGGGTTTTGTCACTGGTCCACATACCTGGTGAAGGAATAAATCCATTAGGTAGGAN
TAGTTGGGTTTTNGGNNGNNGTNTTTTTTTTTAATAGAAAGCTTTGGTTAAAAA
AAAAAGAACAGGGTATTTTAAATTTTGTGTTTGAAATTAAATAACAGTTTTCCAGGCAT
ATGTTTAAATTACTGAGATGAGTACTTTTGAGGAGACTACTATCTTAAGTAAATTTTA
ATTTAATGTGATTTTGGGTTGCCGCTTAAATCTGCATGTTTCAAATTTGAAATAAA
ACCAACTGNAGTGAGAGGTCTTGACTAATTGTGATTTAACTTTGCAAGTAGTTTGCCAA
ATTTCAAATCCTAANGGAAATATTTGTAATAAAAAATATATCTTTTTTTAAAAA

Sequence 2793

CCCTTTGAGCGGCCGCCCGGGCAGGTACAAAGCCAAGATGCCATTGTGGGCTGGGC
ACTTGAGGTCTCTTCTCGGCAAAGATGAAAAGAAGTCGGTGAAAGGTGGCCANNTGATG
GCAGAATATTGCCACATTTNACTGTTGCCCTATTTCTATTGAGNAATCAACATTNATGG
TTGGGGAGGAATTCATCTCATAGTAGTAAGTATTCCATAGTAGTAAGTGCTTGTGTAT
TGTCGGGGNAGGGACTCTTGTTTCATTTCNGTTCAAGNCAAAGTGGTGGTTGGCCCCA
TTTCTNTNTGGAAGTAGNACTCCNCTTTGTNNAGGGNAAAAAGNCCCTTTTGTANAAA
GTACCCCTTTCANAGTGNACCTTGTAAGNCTGANNCTTANTCNTGGGGNAACCGT
TTCTTAATCTTTTAANTTTTCAAACCTGGGNCNCCACNAAGGGGGGT

Sequence 2794

CCCTTAGCGTGGTCGCGGCCCGAGGTACTGTGCTGCTCNTCTGCNAGANGGACCTCCTTA
CACACTAAGCCNAANACTGNTTNNCTTGATAGCTTAGGACTGAACTATGGGGGAGGGGG

Table 2

AGACACCTAATCATTTTTAGAGAAAACAGTAGCTTTAATGAAAAAGTGAAAACTATAGC
TTTTCCACCAATATCACAAATATTTATTTATCACTTCCCAATCTTGTTTACATGT
CTATTGGTCTGCTAGAGCTACCATACAAAATTACCACAGACTGGGTGGTTAAACAACAT
AAACATATTTCTCACAGNTCTNGAAGCTAGAGGTCANAAATCAATGTTTCATCAGGTTT
GATTCTTACAACACCTTCCTCCCTAGCTTGNAGGTTGCCATCTTCTNTGCTCATGTG
GCC

Sequence 2795

CCCTTAGCGTGGTCGCGGCCGAGGTACTTATGAAGCCCATCTAAGTAAGATCATTTCTTC
TAATTCAATTTTCTAAAATCATTTGTGTTTTAGAAATCTCATGATTCCAGGAAAAAATT
TTAAATTGTGATACAGGTTTGACAGCCTTTTAGTCAAATAAGTTAAACACACACGCAA
CTCATTTACTCACTTTGCCATTATAATTCAATCACAAAGAAATTTGGCCAGGCGTGGTG
GCTTACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACGAGGTCAGGG
GATCAAGATCATCCTGGCTAACATGTGAACCCCGTCTCTATTAAAAATAAAAAATTAGC
CTGGTGTGGTGGCGGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGCAGAATGG
CGTGAAGTCAAGAGGCGGAGCTTGCACTGAGCCGAGATCGCGCCACTGCACTCCAGCCTG
GATGACAGAGCCGAGACTTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAG

Sequence 2796

GTACNCGGGGACCTGCTGTGCTCTTGCTTGACAGTGTCTGAGCTGGACCTGGCNNTG
GGNNGCAGNAACATTTTGAATAAGGCAGCAAGCTGCTTCTCTGCTGCCTGAGATACCA
GAACCATACAGAAAGACATGCAAAGCACACCAAATTGTCTACAGCTTAAGATCAACAAAA
ATCCTTTTTCATTAATTATAAATTCACAGAGAATATAACAATGATCCTTATTATCCCCT
TTACTGGCTCACACAGGGAGAGAGAAGCCAAAAGCCCAACTGATTCCCAATGGCGAAGAT
TGAGAAAAACGCTCCACGATGGAAAAAAAAAGCCAGAACTGTTTAAACATCATGGAAG
TAGATGGGAGTCCCTACCTTGGATTTTATCAAAAGAATGGGG

Sequence 2797

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGGCCGCCGGGCAGGTA
CAGGACACAATCCCTGCTTCATTCTTGGCTGACACAGTATACCACCCAGCATCTTCTTTT
GTGGCTCCCTGAATGAGCAGGCAGATGTAGCCGTGGTTGTCTGGTGCATGCTGGAGAAA
AGGATAAAGTCATTAGGGTTCTAAATTTTTTAAAGTGGCTTTGGACATGAAGCATCATT
TTTAATTAGATCATTAGAAACAGAATTGTGCAAGTAGCTGATAATAGGGTCATACTTATT
CTGTAGAGATTACTAAGCTCCATTAAAGTTAATGGGAGAAAGAACAGACCGTCAAGAGTT
GAATACATCTGTGTGCTTAATTCCTAGTTGAGGATCTGCCTTTACAAAAACCACTGAATA
GTCCTTTTATCACTAAAGCAAATGAATTCATCTTTTCTTTTAAATAGAATGATAAACACT
TTTAAAA

Sequence 2798

GATATCTGCAGAATTCGCCCTTTCGAGCGGCCGCCGGGCAGGTACACTCGGCCACTGTT
CTCTGACCTACTGCCAGCCCTAGTGCTGCCTGCACCCAGGAGCTAGCTGTAAGACCTGG
GGCAGGTATGCAGCCCGCTGCAAGCCTTGGTTCCACACCACGCCTGTGAAAGGAAGGAAG
GATACAAGGCAATGAGCCACACAGCTCCTTCCAGCGCCAACAGCCACTGCGAAATTAGGC
TCTTTTGCTTTGGCCATACTTGTATACCGGCATTGGGCTCAGCTGGGCACTGGAAAGCA
GCTGTTCCGTGCTTGTAAAGGTAATTAAGCAACGGTGGCCCTCGACTAAATCTATCTAAC
CACCAACAGATGGGCATTTCACTGTTCTAGGCATTTAATTCTTCCCTTAGAGGACAGT
AAATCACAAGGAACTATGGAAATAAACNGGTAGCCTACCCAACCTGGGGCTGCATTTGT
TGCTATTTCTACCCATCGAA

Sequence 2799

CCCTTTGAGCGGCCCGCCCGGGCAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTG
CGGAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCTGTGTCCAGAGTTGGTT
CCTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTACAGTG
TGTGTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTCTTCAGATGTGTCTGGAGT

Table 2

TTCTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAAAGCCGCAGACTGTC
GTGGTGATCGTTGTAGCTCTTAAAGGTGGTGTGGACCCAAAAAGTGAGCAGCAGCAAGA
TTTT

Sequence 2800

CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTGGCTGTTGTTTTCT
TCTCTGTCTTTTAACCTTTCAGAAAGCCCTTCCAGTTATCACTCAGACCCTGTTCCAGGA
CGTTGGTGGCCAAACAGTCCCCTTTTGTAAAGCGAGCGTCCCATTTTTGTTTCTCTTGAA
AGGTGCCCTCCGGGACAGCAGAGCCTTTCTTTGGGCTGTTTATAATTGAGCCCTGAAGAA
AACAGAAATCATTCTAAACCCAGGCCAAGTGCCTCCTTGGCCTAGCTAGGCAAAGCTAA
ACTCACACAAGATGAAATCTAACAGCTGGTTACCTGAGAACCACCTTCGGGAGTTCTCC
GGCTTGACTGCTTTTCGCTTGGCCACCATCTCNAAGCTCCAGCGACAGCTGAGGGTCAGGG
CCTCTCTGTGCANAAGAGTAGGAAGAGAATCATAGCTGTTGGTGAAGGTANGTTGCATT
GNTTGAAGAGGTCCATGTACAGCTTGCAAAATGCTATGGATCTGTAAANAATCCTGAAAA
AAATGGGTTGGANAAAAATTTATGACCGGAAGTNTAAGTTGGCTTTGAGGGGGCAATTT
AACCNCGAAATTTTTCTTTTGGGGGTNAAGGTNTAAAAAGTNCCTTTTAA

Sequence 2801

CCCTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTNCCTGCTGA
GTTGTATAGTAGAAAATTCACATTCCANTTTTGGAGTTTAGCTCATAATTGCTGCCATTT
TTAAACGTCAAAATATTTTATTTAGCTAACTATAGTTGTTTATGAAATAGGATCCATTTT
TTAAATGCAAAGAACTCAGNTCATTAAACCACTAAAAAGCGAGTCCAAGGGAAAGGGCCT
GACACATGAATTAGCAAATCACAAATGTAGTAAACAGAAAAAGCTGTCTGTTCAAAGGTG
AAAATCAGAATCATGTAATGGCTATCTGTTGCTTTTATTTTTTCAGTTGGTTNCCAAAA
CAGAAATATTTACTAATAAATTTTATTTTATTTTTTGAGATAGGGGTCTTGCTNTGT
CACCCAGGCTGGACTGCAGTGGTGTGATCATAGCTCACTGCAGCCTCGAAGTCCCTGGGGT
CAACAATCTTCCCGCCTTACCTNCCAAGTAGCTAGGACCCATGGTCACATTCCACCAAG
CCNGGCTAATTTTAAATTTTTTATTTTTTTTNGACCAGACAGGGGNCTTTATCATTTTTGCC
CAAGGCTGGTCTTTCGAACCTTCTGGGGGTCAAGCAATTCCTCCACCTTAANCTTCTAAAG
GTNTTAGGGANTACCCGGGCNTGAACCNCCATGCCAAGCCAATTTTACTTAAATAAA
GGGCCANGTTTTTTTTTAA

Sequence 2802

CCCTTCNAGCGGCCCGCCCGGGCAGGTACTTTTAGGTGCTGGGTTCAAATCTGTCTGCT
GTGGTCATTAACGGGAAGAGGTGGCCAGTTGTGTGGGCCTGCCTGAGGCACCACTGGCCC
CAGCTGACCTTTCCAATCAAAGGAATGGCTGACCAAACCAAGGATGGTATTAAGAAATCT
ATAAAACATTACAGAAATAACCTATTCTAGAATGATCTGGGCAGTGTGGGATGCAGTTAGG
ACCAGACCAGCCTTCTCTGAGCAAATGGCAGTGGTGCCCATCTCCACTAAGCCTCAACG
TGCAGAAAAAAC

Sequence 2803

CCCTTAGCGTGGTGC CGNTCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGTTCCT
TCCAGAGGGTTCTGTTGCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGC
GTTACAGCTGTAAAGATGTTGTGTCTGGAATTTGTTCTTCAGATGTGTCTGGAGTTTC
TCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCAAGAATGAAGCCGCAAACTGTGNGG
TGATCNTTGTAGC

Sequence 2804

CCCTTAGCGTGGTGC CGGCCGAGGTACTTTTTTGTCTTTTTTTTTTTTTTTTGGCTGA
CCTGTAGTTTGATTTCCAGTGTCTAGACTTAACAGTCTGAATTTAAACACGAGGCATATA
CACAAAATCATCTGGAACCTGATTTTTTTCACACTAAACACTTCTTCTGATCCTACTTTC
CAGGAGGCTCCTTCCCTCAAACATATCTCCAGATGAAAATCACTTAATTAACCAAGAAAG
ACTCAACCGCCCTTAACTGCTTTTCTAAACAGTCACACATACTGGATTACTTATTTGA

Table 2

GACATGACAAACCAGTTGCAAACCACAAATTCATTCTCATGGGCCCTCCACACGGTCTCT
TGTTCTTCTGAAGAGGGTCTTGCTGAGGACCATTTTGTC

Sequence 2805

CCCTTAGCGTGGTCGCGGCCGAGGTACTTACTGGTGTGGAAAATAGCCTGCAGGTAGGAC
CATTGCAGTGATGGGCAGATGCGTCTTTCACACGGAATCAGGCACAGTGGCCTTCTGTGA
CATGTGTTTATAAAAAATGGTTAAGTATATAATAAATTGAACATCTTTGAGATTGGGAAG
AATTATGTNGAGATTTTCCACCATTATGTTTTACTGGGATTTCAAATACCTGGTCCCTN
TGCNTTGTTTTTAATTGCCAGGGCAAAGCNAAGGGCNAAAATGNGCCCTAAAAAATG
CCTGNTGGGCTTTAATTAATTTTNTGGAATTAAGGAAAAATCCANANAAAAAACCCC

Sequence 2806

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATC
ATCAGGCTTGGCTTGGAAATTACATACTTTTTCCACCATTCTTTTGATAATATCAACGT
AGGGACTCCATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGC
GTTTTTCTCAATCTTACCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGT
GAGCCAGTAAAGGGGATAATAAGGATCATTGTTTATATTCTCTGTGAATTTATAATTAAT
GAAAAAGGATTTTT

Sequence 2807

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGACCTGCTGTGCTCTTGCTTGCACAGT
GTCCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGACTAAAGGCAGCAAGC
TGCTTCCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAA
TTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTTATTAAATTATAAATTCACAGAGAAT
ATAAACAATGATCCTTATTATCCCTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAG
CCCACTGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGCCA
GAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAGAATGG
TGGGAAAAAGTATGTAATTTCCAA

Sequence 2808

CCCTTAGCGTGGTCGCGGCCGAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGG
AAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCCTGCTGTGTCCAGAGTTGGTTCT
TCCAGAGGGTTCTGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTTACAGTGTGT
GTTACAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCTTCAGATGTGTCTGGAGTTTC
TCCCTTCTGGTGGGTTTG

Sequence 2809

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTAT
TTTTCTCTTTCACTTACCATCATCTGACATACTACGCACTTGTTAATGTTCTGTATCC
CTAGCTCCATGAGGAAAGANATTTGTTGTTGNGGTACTGNATCCTCAGCACCTANAANA
GGATTTGGCGAATATTAACNCTCGATAAATATTTGATGACTGAATGAGTGAATGCATGA
ATGAACAAAGTCATAAACTGGGCTTCAAAAGCTCATNTTGTCTAGCATCATAACTAGAA
AGTCATAAAAAAAAAAAGTTTTTCC

Sequence 2810

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTNGAGATTG
TTCTACTAGGAATTTATTAATCAGAAAAGCCAATGAAGCCATATATTTTGTTAATATA
AAACTCATAATTTAATTTCTTTTATTATTGATTAATATAAAAAAGGAAACCTAATTCA
ATTTATAAATATTTAATTAACAGAATTATATCCCATACAATATAAAATCTAACATAGAA
TTATGGCTATAACTATGGATTATACTATAATAACAAGATTAATTTTAATTTATTTCTTTC
AGAGATGAATCTTACAGNGATGTGCTTCTATTGACCCACTACATTACCACCATTTAAC
ATACATTCTGTGGACCAAATAAACTAAAGAACCAATAAGCTCATACATCTTCTCTG
C

Sequence 2811

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTAAACCATTTCAAGAGAG

Table 2

TCTCTGGATTTCTTGATCCTTGATTTGTGGTTTTTCATGTTGTCTGTGAGCTCCAGCAGGG
 CCTCATCAGCCCTGTCCGTGGTGCTGCTCCAGCTCTGTGCTCCCCGATAGGTGGCCCTGC
 GCTCTATGCACATCCTTCTTAACATAGGAAAGATGTATGCCTTTCAAAGAAAGGCATTCA
 AGACAGATCAGCACCAAGTGGAGGCTCTACCCACAGATGTTAATGTGCATTAAGAAACAG
 CGTTACTGAGAAATCTGAGCCATCATTCCAGAGTCTCTCTCCTGGGGAGAAGTTTGT
 TACTGCTGGGTTTTTTTGTGGTTTTAATTCAGAATTTGGAAGTAGAATTTTGTAAAT
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 AGTATAAAAAAGACATTTNTAAAGCTCTCAAAGCCTGATCCTCCCTCAAATAGTAAAGGG
 ACTGNNGTGAAAGGTTTGTAAAGCNTGGCTTAAACAACCTTTTTTTTTNCCCCCAGC
 CTCNNGGGGGAAAAAGCNAACTTTTTTGCCNAGANCTTTTAAACTATTAAATAG
 NAGTTATTNAATNTNTTTAANCCAAATGAAGGGGTAAAAAGTTNNTTTTTTAAAAAA
 AG

Sequence 2812

CCCTTTCGAGCGGCCGCCCGGGCAGGTAAGTGGATCAGTTTCTCCTGCGTGAGGTATGGGT
 GACACTCAACCTGCAACAGCAAACAATCCTCATCAGGGGAAAGCCGGCTCTGTTTTGCA
 TTGTTCTAGGGAGTTCTACACACAAAAAGAGTCCACCAAGCAAAGGCCAAACAAGTGCG
 CACTGAGATTCTTGCTAAATCACCCATGAGATCAGCCTCACACCTCCCCAAAGTGCTCTG
 ATCACTGACCCCTGAGATAAGACTCAGGGCATAGCATTGAACATTCCCCCGCAATGTTT
 AAGAAGTAATAGGGCAGGAC

Sequence 2813

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGAGACTCTGCCTTTTCAACATGGATGGC
 TCCTCCCGCTGCCGCTGCCGCCCCAGGAGACAGCATTACAGAGCATCAGTTAGGTGCAGA
 GACTGGGCAGTGCGCCCGTGTGCAAAGACAGGAGACACGAATCTCCCTGAAGGAGTGAC
 AGTCTAGGGAGGAAGGCAGACTGCAGGGGACCTACTTCTCTCGGAATCTCAATACTTGG
 AACAAGAACCTCCTAGACGGACCCCTTGGCATAATGAATTGGACCAACTGTAGGTTCCAG
 GACTAGAGAGCCAG

Sequence 2814

CTTTGAAAACACCAAGGCACTCCAGGGGTATCCTGGAAGTCAAAGCAGCAGCCCCGGTTG
 TTTGCACTCCTTGGGGGTGACATGGGGGNAGCCGAGTCCACCCTGTCTTGGCTGGCAC
 GGCACACTTGGTTTGCAGACAGGCCACGTCNACCTTCGGCCCGCTCTAGGAACCTAGTGG
 ATCCCCCGGGCTGCNAGGGAATTTGATATCAAGCTTATTCGAATACCGGTCGACCTTCG
 AGGGGGGGGGCCCCGGGTAACCCANCTTTTTGTTTCCCTTTTNAAGTGNAGGGTTTAAAT
 GCCNCGGCTTGCCGTAATTCAATTGGGTGATTAGCCTGGTTTTCCCTTGTGGTGAAAAA
 TTGTTTATTCGCTTCAACAATTTCCACCACCAACATTACCGAAGCCCCGGGGNAGCCATA
 AAAAGTTGTTAAAGCCCCCTGGGGGGTGGCCNTAAATGNAGNTGAAGCCTAAACCTCACA
 ATTAATTTGGCCGTTTGGCGCCTCACTTGGCCCCGCTTTTCCAAGTNCGGGGAAAAAC
 CNTGTTGCGGTGGCCCAAGCCTTGCCATTTA

Sequence 2815

GAAACAAANAAAANNACCCTCTTGACANAAAAGGCCTTGCTGCTGCTCACTCTTTGGGNT
 CCANACGCANCTATANTNAGCTNCAACTGATCACCACGGACNGTNTNGCCGGCTTTTCAT
 TCTTGAAGTTCAGCGACACCACAAACCCACCANAAGGGAGGAACTCCAGGCACATCTGA
 AGGAACAAACTCCANACACCAANCATCTTTTAACAGGCCTGTTAACCACCACCACCTGTG
 NAAGGTCCACNNGGCTTCANTTTCTTTGAAGCCAGCCGAGNACNACCGNAACCCCTTTT
 GGAAAGGGAAACCCAACTTCTTGGGACCACAAGCCAAGGGACCGTTGAAGACCTTTTCTT
 ACCCTTGCTTCACTTCAAGAAATTCATTTTCCCGCCACCCCAANCCCATTTGGGGCCCA
 CCGTTTTTGGTNGGGAAGNCTTCAANTTTACCAAAAAAAGCCCCAAANGAATGGCCC
 CCATTTTGGTNGGGGGCCCCCTTGGGGGCCAACCTTTTGGGGAAGGGTTCCTTCTTTCTT
 CCGGGGCAAAAAGTTGAAAAA

Sequence 2816

Table 2

GCCGAGGTACTTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAANTGATTCTGAGTGA
GCAGGTANAAAGTCTCACGTCTGCTGNGTCCAGAGTTGGTTCCTTCCAAGAGNGTCT
GTGGTCTCGCTTGGCTTCAAAGNAATGGAAGCCCCGACGGCACCTTCACAGTNGTGGTAGT
TACCACGCCTGTTANAAAGGATNGTTNGNGGTCTAGGGAAGTCTTGTCCCTTCANTAT
GGAAGNTATGGGGGAAGATTCCCTCCCTTTCTTGGGTGGNGTTTTGTNGGGTTGGTCC
GCCTGNACNTTCAAAACAAATTGAAAACCCCGCCAAGACNTTANTNCGCCGGGGTGGAA
TACGGTATGGTAAGCNTCTTTTAAAAAAGGGGTGGGGTTGGTNGGGACCCCAAAAAGGA
AGTNNANGCCAAGCCAANACCAANGAATTTTTTTTCGGTCCAAAGGTAAGGGNTTAA
GGAAACCAAAAAGTTTTTCCACCGGGTTGGTTGGGAAAAGGGGGTTATTCCTTGAAGC
CGGGGTTTCCCTTGCTTCCCCCGGCCGNTTACCCTTGCC

Sequence 2817

TCAAAGGGGGTTTCCGGNATCTNCCNCGTAAGGAAGTGTGCAAGCCCTTGAANAAAA
CCGGGCTTACCCCACTNTTCCAAAAGGGTAAAAGGGTCNAANCCAAGCGTCCGGCCGAC
CAAANAATTNACNCNCCACNTTCCCGNACTCCNGGGGGTGCAAGTGGTNAAGGTAGTAC
CGGATACATANAGAAAGATATACATTTACNCATTTTATANAGAGNGGTGACCCCTTTN
GGGGGCGCCGNNTTNCCTAANGAAAACCTTNAGNGTGGGGGNATTCCNCNCCCCCGGG
GGGNCCNTTGGNAAAGNGGGAAAAANTTTTCCGGGAATTAANTTCCAAAAGNCCNTTNA
TTCTGGAANTTAACCCCGGGNTCCCGNAACNCTTTNNGGAAAGNGGGGGGGGGGG
GGGCCNCCCTTNGGNTTANCCNCCCCAAGGNCCTTTTTTTTTGGGTTTTCCCCCTCT
TTTTTTAAAAATTGGGAAGGGGGGGGTTTTTA

Sequence 2818

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGGTTCTGAGTCAAGGATC
CCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCTCCTTGTGGATGTCAAATCTGCTTA
TATCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCA
CATTGGAGAGGCGTTTTTCCCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGA
ATGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGT
CCTGGTCTTTGAACTTGATGATGGAGGTCTCCACTGAAGGCTCCTGGTAATACGCCATGA
CTCTCCTTAGAAGACTTCCGAGGTCTTTCCTGTTTCTTAGGCAGGTGTGTCTGATGGAG
GAGGGGAGACGGGCAGGTTCCACAGGCTCTCAGGTTAGAGAGTGGTGGAGGAGACTGGCA
GAGGAGGAGAGCATGGC

Sequence 2819

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTTGGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2820

CACCGCGGTGGCGGCCCGCCGGGCAGGTACAGGACNTNATCCCTGCTTCATTCTTGGCTG
ACACAGTATACCACCAGCATCTTCTTTTGGGCTCCCTGAATGAGCAGGCAGATGTAGC
CGTGGTTGCTCCTGGTGCATGCTGGAGAAAAGGATAAAGTCATTAGGGTTCTAAATTTTT
AAAAGTGGCTTTGGACATGAAGCATCATTTTTAATTAGATCATTAGAAACAGAATTGTGC
AAGTAGCTGATAATAGGGTCATACTTATTCTGTANGAGGATTACTTAGCTCCATTAAAG
TTAATGGGGAGAAAAGAACAGGACGTCAAGGAAGTTGAATACCATCTGTGTTGCCTTAA
TTCCTAGTTTGAGGGAATCTTGCCCTTTTACCAAAAAACCCACTTGAATAAGTTCTTT
TTATCACTTAAAGGCCAAAAATGGAATTTCCATCCTTNTTCTTTTTTAGGATTAGGAAN
TGGATAAAACCACCTTTTTTTAAAGGAAAAATCCCACCCATTTANGGATTCAAAAACCA

Table 2

CCCCCATTANGCNTTNCCTTTTCTTAAAAAAGGCCTTTAAATTCCTTACCAATTTGG
GGGTAAACCGCCATGGGNTTTTTNGGTCTTTTGAATTGGAATATTCCATTCAAAA
AAANTCAAAAAACCAATCCTTAATGGTGGGGCCT

Sequence 2821

AGGTAAGTGTGGGTTCTNAGTCAAGGATCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
ANGCAAGTGATCCCCGCAAGGTGGGTAAAGGTCTGGTCTTTGAACCTTGNATGAATGGA
GGTCTCCACTGAAGGGCTCCTGGGTAATACCGCCATGGACTCTTCTTAGAAGACTTCCC
GAGGGTCTTTTCTGGTNTTCCCTAGGCCAGGTGGTGTCTTGATGGGGAGGAAGGGGGA
GAACCGGNNCAAGGGGTTTCCACAAGGGCCTTCTTCAAGGGTTTAAAAAGAAAGTTGGNT
GGGGANGGGAAGAACTNNGGGCCCTAAGGGGAGGGGAAGNAACCNATNGGCCCCGGGCCC
CGCNTCNTAAGAAAACCTAAAGTGGGGGATCCCCCCCCGGGGGCCTGGCNAGNGGAAATT
TCCCAATTANTCAAAGGCCTTTTATTTNNGGATAACCCNNGNCCGGAACCTCCAGAGG
GGGGGGGGGGCCCCC

Sequence 2822

ATCTGGACTGNNTCAGGCAAAGCCGGGGAGTAACNTTAGTTTTGCTCCTGCGATTATT
CAACTGACGGGCTTTTCATTTCCATTTACACACCCTAGCAACACTTATACCTTGCAGGAT
TGTATTGGTAGCGTGAAAAAAGCACACTGAGAGGTNAAAAAAAAAAAAAAAAAAAAA
AAAAAAGTNCCTNNGCCGCTCTANAACCTAAGTGGATCCCCGGGCTGCAAGGGAATTCN
ATNTTCAAGCTTTATCNGAATACCGGTCCGACCTTCGAGGGGGGGGGCCCCGGGNACCCC
AAGCTTTTTTTGTTTCCCTTTTAAGNNGAGGGGTAAATTTGCNNCGCCTTGGGCGGNA
AAATCAANTGGGTNAATAAGCCTGGTTTTNCCCTTGTNGGNGGAAAAATTGGGTNTATTN
CCCNNTTCAACCAAAATTTNCCAACAACCAAAACCAATTAACNGGAAGCCCCGGGGGA
AGCCAATTAAAAAAGGTGGTTAAAAAAGCCCCCTTGGGGGG

Sequence 2823

GACCGGTACTCACCCGGGGTCTGATGAAGAAGCTGNTGTGGATCTTGGCAAACTAGCT
CATCTGNGAACACCAAGTTTGAAAAAGAAGACTAGAAAGTCATAGAGCTGTATATATTG
GGTGTTCACGTCCCGTTTAGTAAAGAGAGTTCGTGCGGCTCATAAGGCCATCNGCGGTA
CCACAAAACATCACCCACCCATAANANAAGNANNANTATGAAANAAAAAAGANGTTCCC
TTCGGCCCCGCTCTTAGAAACCTAAGTGGGAATCCCCCGGGGCCTGCCAGGGGAANTTC
GATANCCAAAGCCTTTATCCGGAATACCCCNNTNGAACCTCNGAAGGGGGGGGGCCCCC
GGGNAACCCCAACCTTTTTGTTTCCCTTTTTAGTTGGNGGGGNTTAAATTTGCNGCC
GCCTTGGGGCCGGTAAAATCCATTNGGGTCCAATAAGCNTGGTTTNTCCCTTGNTGGTGG
AAAAAATTTGGNTTAATTTCCGNNTTACCAAATTTTTCCCNCCAACCAAAACNATTTA
CCCTAAGNCCCCGGGGGAAGCCCANTTAAAAGGGTGGNTNAAAAGGCCCNTGG

Sequence 2824

TGCTGGTGGTGGTGGTGGTCTACATTCAGTGNNGAAACCCAGCCAGCCCCTAGGGGGTGC
TAACTCTGATGGCATCCTAAATTTAGCTGGTGATTTCTTCCAACGACTGGGCCTTCCA
GACCACAGACCACATCAAAGCTTAGAGAAGCTTATCTGGAAGATATGAAATCACAGGTAG
AAAAAAGCAAAGCATGGACAGTGATCTTTATATGCATCCCTACACACACATATACATA
TGTATACACATGTATAAATACACATATACATATGCACATATGTATATGTGTGTNCGCGG
GAAGTCACCACCGTGGCCTGCGACGAAATGGCGAAAAGTCTTTTGAAGACAGCCTCTCTG
TCTGGAAGGACAAAATTGCTACATCAAACAGGATTGTCACTTTATAGTACATCCCATGGA
TTTTATGAGGAAGAAGTGAAAAACACTTCAGCAGTTTCTGGNGGATCCATTGACCTTC
AGAAGGAAGACAATGGCATTGGCATTCTTACTCTGAACAATCCAAGTAGAATGAATGCCT
TTTTCAGGGGTATGATGCTACAACCTTNTGGGAAAAA

Sequence 2825

Table 2

TCCCCGCGGTGGCGGCCGAGGTACCTGGCATAAAATAAGTTACTGTGGTGGCCAAAGTAA
TAACCCCCACCGCCACCAATTGCTCATGTCTATGTTACACAGCACAAATTACATAGGAAG
GGGGAATTAATAGTGCAGATAAAATTAATGTTGCTCATCAGCTGACCTTAAAACAAGATT
ATCCTGGAGTATCTAGGAGAGCCCATGTAATTACAAGCATTCTTTATAACTGGAAGAGGG
AGGCAGAAGGTTAAGAACCAGAGACGGTGGGCACAATGGCTCATGCCGTGAATACCAATA
CTTTGGGAGGCCAGGGTAGGAAAATCCCTTGAGTGCAGGAGTTCAAGGCCAGCCGTGGCA
ACATACTGAGGTCCCATCTCTGAATAACATGTTGCCCAGTCAGTTTCTCTTCTGGATTCT
AAGAAGTCTTTCATGGTAGGTCCAGAATGAAAGGTGATGTCTGGTGCTCAGGTGTGTTGA
GGGCCCCATGCCTGGACTATTGGGTGCTGAGTGGGATTTACTTTGTCCATCCATTTTAT
ATTCCCACACTGGGGAAAACTTA

Sequence 2826

ATTGGACTCCACCGCNGTGGCGGNCGCCCGGGCAGGTACTGAGCTCCACAAACGTGGCCA
TGTTGGTGCGGAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCA
GAGTTGGTTCCTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAAATGAAGCCGTGGACC
TTCACAGCGTGTGTACAAGCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCAGATG
TGCTGGAGTTTCTCCCTTCTGGTGGGTTTTGTGGTGTGCTGCTGACTTCAAGAAATGAA
AGCCCGCAAGACCTGTCCGTGGGTGAATCCGTTGNTAGGCTCTTTAAAGGTGGGTGTGG
GACCCCCAAAAGGAAGTNGAGCCAGCCAGCCAAGGATTTTTTCGTTCAAAGGAAGGGGTA
AAGAAACCAAAAGGTTTTCCACCGGGTGGTNGGAAAGGGGTATCNTTGGAGGCCGGGT
TCCCCCTTGCTTCCCCCGCGGTACCCCTCGGGGCCGGCTTCTTAAGAAAACCTAA
GTTNGGAATCCCCCCCCCGGGGCTTGTCCANNGGAAATTTTNTGAATTATCCAAAG
CCTTTTATTTCCGATTATACCCCGNTNCCGNAACCTTTTCGAAGGGGGGGGGGGCCCC
CCGGGGTTACCCCCAAGCCTTTTTTGGT

Sequence 2827

CCGGGCAGGTACCACACCTTCCGGCCAGCTGTCTCTGCTGATGTTCTCAGTGCTAC
AAGGCTTTGTTATGGAGACCTTCGTCCACCTCTGCTCGCTGGCAGTTGGCAGCTCTA
CTGGCCCAGCAGTGGAACGAGGCTGCTGGCCCTCAGCACTTTGGCCCTGTATGTCGCC
GTTGTCAATGTGCACTCTAGGCTTGGTGTCTCAGACATTTGATTGTACCT

Sequence 2828

AGGTGGCCATTGATGCANAATATCGCCACATTGACTGTGCCTATTTCTATGAGAATCAAC
ATGAGGTGGGANAAGCCATCCAAGAGAAGATCCAAGAGAAGGCTGTGATGCGGGAGGACC
TGTTTCATCGNCAGCAAGGTGTGGGCCCACTTTCTTTGAAGNAGACCCCTTTGTNGAGGGA
AAGCCTTNTGANAAAGACCCTCAAGGGACCTGAAGCTGAAGCTTATCATGGACCGTTCTT
ATCTTTATTTACCTTGGGCCACAAAGNGGGATTTTCAAAGAACTNGGGGGAATGAACT
TTTTTTCCCCCAAAAAGGATNGGATTA AAAAGGGGTAAATTAATGGAATNCAAGCTN
GGGAAAGGAGGGGAAAACCGTTTCTNTGGGGATTGGCCCTTGGGGGAAGGGCCCCATT
GGGNAAGGGAAGNCTTGNGGTTGNAACCNNAANGGGGGGCCCTGGGTGGAAAAANGC
CCCCTTTGGGGG

Sequence 2829

AGGTACAGCATGGGGTATTGGGGGTCGGGGATTCAATTGAATTGTGGTTGGCAGGAGCAAG
CCCTGCTCACACTCTCACACTCGCACCCAGAATTGTCAAAGATACAGATNGTAAAAATCT
ACGATCCCTCAGTCTCACTCACAAAAATAAAATCTCATGTCCCCAACNGAACCAGAGT
CAGACGACAGCTGGAGCATTGGCAGGGACAGTCAGAAAGGAGACAAGTGA AACCGGT CAG
ATGGACACAGGCNCGGAGGAGAAAAAGACAGAGGGAGAAAGAGGACCATCGGGGAACCAATCA
AGAGGGGCCGAGACCGATCCAGGAAAAAGGGTCAAGCCCCGGAGTACCAGGCCTGGAGCC
ANGAGTTTTCTTAGNAAGCCAGNTTTCCCAATTTCAAACCGGGCTTCCGCCTTTTTGNA
GGGGCCCAACCGTTGAACCTTAAGGCCCCGAAGGGCCTTGGAAGAAAANCCGCCTTNA
ACAACCACCTTCAACGGCCGGCCACGGNACCAACAACACCAATCCCANTATTAATA
AATAAGTATTTTACCTTATTACCATTAAATTAAGGATTATAAATNTGGCCCTTTCCGGGAA

Table 2

AAACCCAAGGGAAAAGGGGGGANTAAAAATAAGCCTTAAAGGGGAAANTGGGGGGTCNTT
GGGGAATTCAAGGGAAT

Sequence 2830

CACCGCGGTGGCGGCCGANGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAAAT
GATTCTGAGTGAGCAGGTAGAAGTCTCACGTCCTGCTGTGTCCAGAGTTGGNTCCTTCCA
GAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGTGTTA
CAGCTGTAAANATGTTGTGTCTGGAGTTTGTCTTCANATGNTGTCTGGAGNATCTCC
CTTCTGGTGGGTTTGTGGTGTGCTGANATTCANNAATGAAGGCCGCNNTACTGTCTGG
GTNATCNGTNGGNACCTTNNNTNNNNAGNGGGNTGGACCCANAAAGAGTTGGAGCCANN
TAGCCAAAGAATTTTTTTCGTCCACNCAGGGNTGGANCANNCAAAGAGTNTTCCCN
CGANTGGTGNGTAAAAGGGTATTCTANAAAAGCCGGNTTNNCCTTGCTTNTCCCCCGGN
AACCTTGCCCCNGGGCNCGTNCNCGGCGTNCCTTAAGAAACCNTAANTTGGGAAANGNC
CGGNTNGGGCCTTGCCATTGNAATTTCTNGTANTANTCCAAAAGNCNTTTATTCCGNN
TTANNCNTTNCGAACCCNTTCCCAANGGGG

Sequence 2831

AGGTACCAGCTACTGCCTTGTGTGTCTTCGATGCACATGATGGGGAAGTCAACGCTGTGC
AGTTCAGTCCAGGTTCCCGGTTACTGGCCACTGGAGGCATGGACCGCAGGGTTAAGCTTT
GGGAAGTATTTGGAGAAAAATGTGAGTTCAAGGGTTCCTATCTGGCAGTAATGCAGGAA
TTACAAGCATTGAATTTGATAGTGTGGATCTTACCTCTTAGCAGCTTCAAATGATTTTG
CAAGCCGAATCTGGACTGTGGATGATTATCGATTACGGCACACACTCACGGGACACAGTG
GGAAAGTGCTGTCTGCTAAGTTCCTGCTGGACAATGCGCGGATTGTCTCAGGAAGTCACG
ACCGGACTCTAAACTCTGGGATCTACGCAGCAAAGTCTGCATAAAGACAGTGTGTCAG
GATCCAGTTGCAATGATTTGTCTGCACAGAGCAATGTGTAATGAGTGGACATTTTGACA
AGAAAATTCGTTTCTGGGACATTGATCAGAGAGCATAGTTCGAGAGATGGAGCTGTTGG
GAAAGATTACTGCCCTGGACTTAAACCCAGAAAGGACTGAGCTCCTGAGCTGCTCCCGTG
ATGACTTG

Sequence 2832

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAACTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGGGGTAAANTCCTGGTCTTTNGAACTTTGATNGATGGGAGGT
CTCCACTGAAANGCTCCTGGGNTAATAACGCCCATGACTCTCCTTTAGGAAGAACTTTCC
GAGGGNCCTTTTCTTGTTCCTTAGGTCNGGTGGTGTCTNTGATNGGAANGGANGGGGG
AANAACNGGGNCANGANTTCCACCAAGGGCCTTCTCNAAGGTTTANTANAAAGTTGGG
TTGGGAAGGGAAGAACCTGGGNCACCAAGGNAGNAGNANNCCTATTGGGCCCCCGGTCTN
CGCTTNTTTAGNAAACCTANGGGGGGGAATTCCC

Sequence 2833

CCGGGCAGGTACGCGGGGGCTCAGTTAGGACCCAGAGGGAACCATGGAAACCCAGCGCA
GCTNATCTTNCCTGCTACTCTGGCTCCAGATACCACCGGAGACATTGTGTTGACGCA
GTCTCCAGGCACCCTGTCTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCCAG
TCAGAGTGTAGTAGCANCTCTTTGGCCTGGTACCTCGGCCGCTCTAGAACTAAGTGGGA
TCCCCGGGGGCTGCAGGGAATTCGATATCAAGCTTATTCGATACCGGTCGGACCTTCGA
GGGGGGGGGGCCCCGGTACCCAGCTTTTGTTCCTTTAGTGGAGGGGGTTAATTGCCGC
CGCCTTGGCCNTAATTCATGGGTCAATAGCTGGTTTCTGGNTGTGAAATTGNTTAATCC
GCTTACCAATTTCCACACCAACATTACCGAAGCCCGGGGGAAGNCATTAAAAGGTGGT
AAAAGCCNTGGGGGGGTGCCCCATAATNGAAGNTGGAAGGCCTAAACCTTACCAATT
TAAANTTTGNCNGTTTTGGCCGGCTTCTNACTTGGCCCCGGCCTTTTTTCCAAGTCCGG
GGGAAAAACCCCTTGTTCGNTGGCCNAANCCTTGGCCAATTTTAAATGGAAAAATTC

Table 2

GGGGC

Sequence 2834

CCGGGCAGGTACGCGGGGCTCTTCCGCTTCTGTGGTCTGATCTTCCTGCGGCTGAACCGC
CCGGCTGAGCCGACATTGCCGGCGTCTTGGCGATTGCGCCCGACGAGCTCCGCTTTCGCT
ACAGCATGGTGGCCTACTGGAGACAGGCTGGACTCAGCTACATCCGATACTCCCAGATCT
GTGCAAAAGCAGTGAGAGATGCACTGAAGACAGGAATTCAAAGCAAATGCTNGAGAAGAC
TTCTGGCAGCAACGTAAAAATTTGTGGAAAGTANAAGAAGGGAATAATCTACCCCTGGAC
TAAAAGCTTGGAAAATGCTTACCATTTTCCAAGGTGGANAGATTGTTGTTGGGGCCACAA
TGTTTATGGGCCANGATTGANAAAGGGGATCTCATTTCCATTGGAGGAAAAAGAAANTAT
AATTANNTTNNTAAGNAANGGGTTACCCTTCGGCCCGCTTTTAAAGAACTTAAGGNGGG
GATCCCCCGGGGCCCTGCGAGGAAATTCGGATTATTCAAAGCCTTATCGGANTACCC
CGTCTGACCCCTTGAAGGGGGGGGGGGGGCCCCCGGGGTACCCCCA

Sequence 2835

GCCCCACCGGCTGGCGGCCGCCCGGGCAGGTACCTATCCTTNCAGCCTCAAATTCGCGG
CCAANCTTGTTTCATTTATAGTTACTCCCAGCCCCACGGATTCAAAGGAAATCCAGACA
TCCTATAATTCATCTTCATGTTGAAATTTAAAAAGTTTGAAAATTCACCAAGATGTAAT
ATATATGCACCAAACATCAGAGCCCCAAATATATGAAACAAACATTGACAGAATCAAAGG
AAGAAATGGATAGTTCTACAGTAAGAGTAGGAGACTGCAGTAGCCCCACTTTTCAGTAACC
GGATAGGGACAACCCAGGACAGGAAGATCAGTCGCAAAGGACCAGGAACCTTGGAACAGC
CATCATACCAGNCTGGACCTTAACAGNACACCAACAAGCAGTACCTCGGGCCGCTCTAGG
AACTAGGTGGGATCCCCCGGGGCTGCAGGGAATTCGATATCAAGGCTTTATCGGATAC
CCGGGCGGACCTTCGAGGGGGGGGGGGCCCCGGGTACCCAGNCTTTTGGTTTCCNTTAA
GTGGAGGGGNTAAATTGGCGCCGCTTGGGGCGTAAATTCATGGTCANAAGCCTGGTTTCC
TGNNNGNGGAAATTNGTTATTCCGGCTCAACAAATTTCCNNACCAANCATTANCGAAGC
CCGGGGGAGCCANNAAGNTGNTAAAGGCC

Sequence 2836

AGGTACCCCGGCTTGGGCGATAAGACCAAGACTCCGTTTCAAAAAAAAAAAAAAACTAA
TACAAAACAAGAGTTTGACATTTACCCCAAGATTTTGACGATCTGCTCTCTATGTATT
GTCTCANATTTTGGACAGTCGCTTCGTGATTTTGACATTTACCCAGGATATTGCAACAT
CTGCTCTCTTTCTATGATTTGTCTCGGATTTTGAACATCACTTCGTGATTTTGAACAT
GACGTTCCACGCAGTTTGGCTCATTCTCTACTGCCACTGTTTCAGCAGCTTGCGTTTAGA
AGTGCATCCAAATACTCTCTGGGTGNGGGTGATCTCAGGGCCAGTCACCTGGNGTCATCT
TAAGTGGATGGAGACACTACTCCAGGAGTCCTGTNGCACCNGATAAATAGTTGACAAATA
TTTGACACTGAACATGCTCTGGGCCACCCAGTGAATCCCCATGGCCATGTAACCTGAAG
CAGAAAGAGCTTTTCTTCTGNGTTCCTCTCCGGGGCAAACCTTTCATTTCAATGGGAG

Sequence 2837

AGGTACTGTGGGTTCTGAGTCAAGGATCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAACCTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCA
GGTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCATGGCCGGC

Sequence 2838

CCGCGGTGGCGGCCGAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCT
TGGCTTGGAAATTACATACTTTTCCCACCATCTTTTGATAATATCAACGTAGGGACTC
CATCTACTTCCATGATGTTAAACAGTCTGGCTTTTTTCCATCGTGGGAGCGTTTTCT

Table 2

CAATCTTCGCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCCTGTGTGAGCCAGT
AAAGGGGATAATAAGGATCATTGTTTATTTCTCTGTGAATTTATAATTAATGAAAAAGG
ATTTTGTGATCTTAAGCTGTAGACAATTTGGTGTGCTTTACATGTCTTTCTGTATGGT
TCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCCTTAGTCAAAGTCTTCCTGGA
AACCCAGAGCCAGGTCCAGCTNCAGGACACTGTGCAAGCAAGAGCACAGCAGGTCCCCG
Sequence 2839

CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAGTT
CGCGGAAGAAAGTGGCTCACGCCCTCCAGAGCCACATCATCGCGGTGAAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCTGCAGGTACCT

Sequence 2840

CCGCGGTGGCGCGGCCCGCCGGGCAGGTACCTGAAAAACAGCTGGTAGGATGGAGGAACT
GAGCTTTTAAATAGGCAAATGTGGCTAGGAGCTACCATACTGGACAGCACAGTGTATTAG
TTTGGTGCAAAAGTAATTGTGGTTTTGGCCATTTTAAAGTGGATTGGTAAGCCTGGCTAT
TTAAAGTGTGGTCCACAGAGCAGGAGAATCACTACACCTGAGAGCTGGTGGAAATGTAGA
TCTCTGACGTTAGCATAGGCTTCTAAATCAGAACTGCATTCTAACAAAGATCTCCTGGT
GCTTCTCATGCACAGTAAAGTTTAAAGTTAGGAGATGCATACAAGTGGTTCTCATCCT
GACAGCACTTCAGACACAAGTGAAGAACATTAAGAAAGCTGAGCCTAGGTACACCCCTT
CCACCCAGAGATTCTTAAGTTAATGGGTAAANGCTTGGCCTGAACATGAAAAGTTTTAA
AAGCACTCTTGGGGGATTCTAATAAAAAATTCGAGACCATNCCAGCATAAGCCAGTNCNTNG
GGNCGTCTAGACTAGTGGATCCCCCGG

Sequence 2841

CCGGGCAGGTACCAGGGGTTAGAACTTCAGTGGATCAGCTCTGGGGGACACAGTTCACCT
CATGGCACTAACTGTTCCCTGGGCCTCTGGCTGATGCACAGAAGAAGGAATATGCCCTTG
CAAAGAGTTTCTTTGGTGTTCATGAAAACTTGGCAGCTTCATAGATGGAGTGGGTT
GATGGCCCTTGAGGTCTTCAGGCACTGACAGGAGGATACAAAATCAGTGTCTTTGTGACAA
AATCTAAACCAAGGTCACAGGCAACCGGAAATTTGTCTCTGATGGTGAAGCAAAAC
AACTAGTACCT

Sequence 2842

CGCCCGGGCAGGTACAGAATTTTGGGAGAGGCCATTTGGCAAGCCATTGGTCTGAATAAT
TTGGAGGGGGAAATCCTAAGGTGGTGGAGTTGCTGCGTGGACACGGCTATAGGTTGGTGT
GACATGATTCGCATTAATTGTTTGTGAGCTGTGAGTAGGCTGACCTAACGTTCTAGCAT
GCCTCTTGAGGGCCTTTCCAAGTGAAGCTCTCTGGAGGAGGGTAGGAAAGTCAGGGAAATC
ATGCAATCCCATCTGGGGAAGGGAAAGCATCTCAAGATTTGNGAGGTTCCCTGGGAAAGG
TGTTTACCACAAATGTACATCAATTAAGGAAAGTCTGCNNANAGAGAGAGAAAGCCAA
GATCAGGGGTAAAGAGAGAAAGGCAAGGTAGCACCGGGGAGCTTGGGCATGACACAGAAAC
ATCTCTGCTTTTACCAG

Sequence 2843

CGAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGGCTNNGCTTGGAAATT
ACATACTTTTTCCACCATTTCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCAT
GATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCCAT
TGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCCTTAGTCAAAGTCTT
CCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTTGCAAGCCAAAGAGCACAAGC
AGGTGGACCCCCGCCGTACCTGCCCGGGGCGCGGCTCTAGAACTAGTGGGATCCCCC
GGGCTGCAGGGAAATTCCGATATCAAAGCTTATCGGATACCGTNCGACCTCGGAGGGGGG
GGCCCCGGGTACCCAGCTTTTTGTTTCCCTTTTAGTGG

Sequence 2844

ANCGGCCGCCCGGGCAGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAAATGA
TTCTGAGTGAGCAGGTAGAAGTCTCACGTCTGCTGTGTCCAGAGTTGGTTCTTCCAGA
GGGTTCTGTTCTCGCTGGCTTCAAGAATGAAGCCGCGGACCTTCACGGTGTGTGTACA

Table 2

GCTGTAAAGATGTTGTGTCTGGAGTTTGNTCCTTCAGATGTGTCTGGAGTTTCTCCCTT
CTGGTGGGTTTGTGGNGTCNCTGACTTCAANAATGAANCCGCAGACTGTCGCGGTGATCG
TTGNANCTCTTAAAGGTGGTGTGGACCCAAAGAGTGAGCAGCAGCAAGATTTTCGTCAA
GAGGGTAAGAACAAANTTTCCACGGCGTGGAAGGGTATCTGAGCGGNTCCCTGCTNCCCG
CGTACCTTGNCGGCTCTAGAACTAAGTGGATCCCNCGGGCTGCA

Sequence 2845

TCCCCGCGGTGGCGGCCGAGGTACACGCTGGTAGCAAAGCTGCTCATTGTGGGTGACGGC
TCGAGTGATCACAAAGCACTTCTTGGAAGAGGAAAAACATGCAGTTTCTAGAAGAAAAAAT
CCACAAGCTTTCATTAAGCAATAATGTAATGAGTGGTTGATATGTGGACCTCTGTGGATA
AAGAGGTCCCCAG

Sequence 2846

TCCCCGCGGTGGCGGCCGCGCCGGGCAGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGA
TCATCAGGCTTGGCTTGGAATTACATACTTTTCCCACATTCTTTGATAATATCAAC
GTAGGGACTCCATCTACTTCCATGATGTTAAACAGTCTGGCCTTTTTCATCGTGGGA
GCGTTTTCTCAATCTTCGCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGT
GTGAGCCAGTAAAGGGGATAATAAGGATCATTGTTTATATTCTCTGTGAATTTATAATTA
ATGAAAAAGGATTTTGTGATCTTAAGCTGTAGACAATTTGGTGTGCTTTCATGTCTT
TCTGTATGTTCTGGTATCTCAGGCAGCANAAAGGAAG

Sequence 2847

CTCCCCGCGGTGGCGGCCGAGGTACTCTCCAGTGACATGCTTCTTGACCACAATGGATG
AACTGTGCCAGCATGCCACTTTCCAATGCTCCACTGATCCCCATGTTTGTCTGAA
GGACAACCAGCCTTGGAATAATGGCAAATACCTTCTTAAGTTCCTACAAAGTATGGTCCC
TGGGAAGTTTATGTCTGTAAGTCAAACCTTGGGAAGTAACTGAGTTTGTGCTCTTCC
AGCATCATCAGCATCATGCTATTACAATCCCAAACCATGGGGTTTCTCACAGCTTTACA
CCAAAGGGCATCACTATCCCTCAAAGAGAGAAACCTGGACACATGTACCAAAACGAAGAT
TACCTGCAGAACGGGCTGCCAACAGAAACCACCGTTCTTGG

Sequence 2848

GCGGTGGCGGCCGAGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCA
GCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTG
AGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTC
CTGGAGCAGCTTCTGGCCTATGGAAGAACTGCTGCAGGGAATGTCTCATCCTTAAACGT
CCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAACCTGAT
GATGGAGGTCTCCACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCC
GAGGTCCCTTCCCTGTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTT
NCACAGGCTCTCAAGTTANANAGTGGTGGAGGANACTGGGCANAGGAGGAGAACCCTTGGC
CCGCCCGCTCTAAAACTAGTGGATCCCCCGGGCTTGCNCGAATTTNCAATATCAAANCT
TTTTCGAATTCGCCGGCGACCCTCGANGGGGGGGCCCC

Sequence 2849

CCGGGCAGGTACTCATTGAAGTTGAGCTCCGAGTCCCTGATTACATCCAAGCTCTTCATC
TTCTCATCAAGAGAGCCCACATCCTGAGGAGACACCAAAGGGAAGGGTAGAGTTAGAAAC
TGGGGTTCTTGAGAAAGTAGGGAGGGAAGAACTGTCAGCTGCTATTCTCTCAAGGCCCTT
CCCTCAGAGAGCANTGGCACCTGCCCTTCTCTAAAGAAGAAGGCTGCAGCCCCAAACT
GCACCGCCACGGGGTGCCTCTCCAAGGAGCACCAAGCAGGAGAAAGGTGGGGGGGGCCTG
AAGTCCCTAAGTGCTTGCCCGNTGTGTAAATACTTCCACGATGACCCGCTTACAAACCAC
CAAAACAGGTTTGTCCGCTTGAATACANAAAGCCTGGNAAAAGAAATCCACACAATCTTT
TNTTTTCACCCAGCACACCCACTTGCCAGCTTGCCTGGTGGGAATCGGGCCCCAAAGGGA
ATTGCCAGGCAATTCTCAAGGGAAGGATGNTTGGCAAGGGGTTTGGGAACCCCCAGT
TCAAGAAGCCCCTTTCTTGGGGGGGCC

Sequence 2850

Table 2

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCCNNGGCCTCANACTACTGTTTCTA
TAATGGGATNTTTTNTTACATGAGGTCTCTGAGGGCATAGTTATTTTATTAAANAAACNCN
CTTCATAAAATTGCATCCATGTTTGGNAATCTAAAAANCCAATNTAGATGACAGAAGCT
TCTGACTATAAATTATAAGTAATCTTATCCATACNTNCNCAGAAGCTAGNGATTTATTAA
GTNCTNCTACTGNACTTCCAAACACATNTAAGTTTTCCAAAAAGATTTCAAAAAANCAATT
CACTGGCAGCAAGCCAGAAAAAGTTTCAAGGGGATAAACTGCTGAAANACAGGTGGTGNCTG
GTAAGGGGGCTCCTGGGTAGGGACTTTTTTGCTGGAAGCAGCTGCCATGGTTATACCCTG
GGGCCAGCCAATTTTAACTT

Sequence 2851

GCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGACCTGCTGTGCTCTTGCTTGACAGTGT
CCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGAATAAGGCAGCAAGCTG
CTTCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAAAT
GTCTACAGCTTAAGATCAACAAAAATCCTTTTTTATTAAATTATAAAATTCACAGAGAATAT
AAACAATGATCCTTATTATCCCTTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAGCC
CAACTGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCACGATGGAAAAAAGCCAGA
ACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAAGAATGGTG
GGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCAACTTACCCAAA
GTCAGGTACCTCGGCCCGCTCTAGAACTAGNGGAT

Sequence 2852

AGGTACAGATCCACAGCCTGTCAAGTGCACCCCTCCCTGACACCACCACCGGGACCTGCAC
AGACTGGGAGTTTCTTTCTTGTCTACTGGGGCCTGCCTTCCCCAGGCTGGTGTCTTCTG
ATAGCCAAACTGAGGGGTGGGAGGTATTTTGAATGCAGATTTAATTATTCATGTGTGGT
GAGGCCAACAGATCAGGAGATAACTGCCACTGAAATGATAGTTTGTACACACAGTTCCC
AATGGGAGGGGACATGCCACACACGGTGGGGGTACACAGGGAAGCACCAAGGTCAGCTG
GGAGGTAGAGGGAGCCAGGGAGAAAAAGTGGGCAAGAGCCTTTATTGTTTTCCATGGGAGG
GAACGGACAAGGATTGAGTAAGTAGGTTTAGGATTGGCTATTGGAATAACTTCAGCGA
GATCTGGAGCACAGAGGCTGTCCTGAGTTATCTGGTATTGTGCTGCTGGATTGATTAGGCG
ANGAACAGGGGCCAGAGTGTGAGAACCCANAAAAAGGAGGTGGGGTATGGGCTTTTGGAA
CAATTGTTTTGTGGGTGAAANGCGTGNTCCCANCCAGCAAGCCCAGGCTTTTGTCTGTC
TCCCGGGAATTAAC

Sequence 2853

GCTCGGANACCCCTTGCCCGGCTGNGATTGCTGCCAGGCACTGTTTATCTCAGCTTTTCT
GTCCCTTTGCTCCCGGCAAGCGCTTCTGCTGAAAGTTCATATCTGGAGCCTGATGTCTTA
ACGAATAAAGGTCCCATGCTCCACCCGCAAAAAAAAAAAAAAAAAAAGTACCTCGGCCGC
TCTANAACTAGNGGGATCCCCCGGGCTGCAGGGAATTCGATNATCAAGGCTTTATCGAT
ACCGGTGACCTCGAAGGGGGGGGGGGGGGACCCAAGCTTTTGTCCCTTTTAGN
TGAAGGGGTAAATTGCCGCCNCTTGGGCGNTAATTCATTGGGTCCATAAGCTTGTTT
CCCTGNGNTGAAAATTGTTTATCCCGCTACCAAATTCACACCAACCATTACCGAAGC
CCCGGGGAAGCCATTAAAGGTGGTAAAAAGCCCTGGGGGGTGGCCTTAAATGAAGGNG
GAGCCTAACTTCACAATTAAATTGGCNGTTTGCCGCTCAACTGGCCCCGCTTTTCCAA
GTCCGGGGAAAACCTTGTCCTGNGCCAGGCTTGCCATTAAATGGAAATCCGGCCAAACC
GCCNCCGGGGGAAGAAGGCCG

Sequence 2854

NCACGATCAAGAATTCNAGTTAAACAGAATTGAACCACTCCAACCACAANCACTATGACA
NGGAAACAGGATCGNNGGAGGATTTCCACANGNGAACCTTTTACATTACAAAGTTTCCAAC
ACAAGAAGCCAACAATACCCAGTGCTNCAACCAAGTTACTTTCCCACTGTTTCCCAAGGT
ACAACCTCAATTNNTAATCAAGTAGNTCCAAGTNCTAAGAACATTTCTGGTAAAAACAAGG
GACCNACCTCCCGTGGCTCTTATGCATNGGCCTGCCACTGNATGGAATCAAATTTCTT
TAANNAACCTTACCGACCGGNTCTAGATTACCCCTTTTGGAGGGAAGAANCCACCCCC

Table 2

TTTCATAAGAAAATNCTTTCCAAGCCAATTCAAGTGGCCCTCAAGNTTTTTTCNCCCAT
CCTGGTNAAAAAAGGAACANNNCNATTGGCCAAAAAGNTNGGGGAANNATNCCNGCTNA
ANGGCTTTCCAGAAATTCGGAAGTTNCCATTCCGGGGCCTTCCCTTCAATNTNGTGACCC
CTTGGCCCCCGGGGGCCGGGGCGCCGGCTTCTTTANGAAAACCTTAANNNTGGGGAATCC
CCCCCCCCGGGGGCNTTGGCCAANGGAAAATTTCCGAATANTCCAAANGCCTTTATNCN
GNAATNACCCNNGNGCCAANCCCTTCCGNAANGGGGGGGGGGG

Sequence 2855

GGGGAGCTCCACCGCGGTGGGGCCGGCCCCGAGGTACTGTGGGTCTGAGTCAAGGATCCC
AGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATA
TCATCCAGGGATGAAGTGAGGAGGACCCCTGGTAGNATCCTGTGGCCCGCTTCCATATC
ACATTGGGGAGNAGGCCGTTTTCTTGGGNAAGCAAGCTTCTGGGCCTTATTGGGAAAG
GAAATCTTGCTGCCAAGGGGGGAAATTGTCTCATCCTTTAAACCGTCCCGGGCCCATGC
TCAAGGGCAAGGTGGATCCCCGCAAGGGGTGGGGTTAAAAAAGGTCTTGGGTCTTTTG
GAACTTTGGATTGGAATGGGAAGGGGTCTTCNCACTTGAAAAGGGGCTCCCTTGGGT
AAATTAACCGCCCCAATGGACCCCTTCTTTTAAGGAAAAGAACTTTCCCGGAAGGGNCC
CTTTTCCCTTGGTTTTCTTAAGGGCCAAGGGTGGTTGGTCTTGAATTGGGAAGGGGAA
GGGGGGGGGNACCGGGGGCCAAGGGGTTCCTCAACAAGGGGCNTCTTCAAGGTTTANGA
AGAAAGTTGGGTGGGGGGGGGNAAGAACCTGGGCCAANAAGGGAAGGGAAGAAGCCANTG
GGCCCCGGGGCCGCTCTTAAGAAAACCTAAGTGGGGAATCCCCCCCCGGGGGCTTGCCA
AGGGAAATTTCCGGAATATTCAAAGCCTTAATTTCGGATTACCCCNGTNCGAACCCCTC
NAAGGGGGGGGGGGGG

Sequence 2856

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGGGTCAATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
CGTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGG
AAAAACGCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTC
ACTTCATCCTGGATGATATAAGCAGATTGACATCCAACAAGGAGGCGCAGCTGACTGCT
GGTTCCTGGC

Sequence 2857

AGGTACTTTGTTTTATCTTTTCAAGGTTATAAACTTTTCAAGTTTCTAGGGGATAAATTAA
AATAGTAAATGAATATTTGTTGCATTTTTTTCTATTTTAACTGCATTTGCTCATTGTAA
TTGCTAAATAGTAAATTTATCCCCACTTTCTTTAGGCTTCAACTTTTGTATATAATC
AGTTTTCTTTTATACTGTTACAAAATGCCTTTCAAGCTTCTCTTATATTTTCAAAGCT
ATGAAACCCATCAAAAATTATAAGGACTTAAATTTATGTAATTTTTTATTTTTGGGGA
TACTTAAATATTCTATTAATTTGCTATAAGTNCATTGGAAATGTTAATAAAATAAATTTG
TCTCATAATCTACTCTTTGTTCATTTTATTTTCAAGCCCTTTAGAAAATAAGGAGGGGCC
ATTATGGACCGTGGCANATCTAGGGGCTTGCTGTTTNGGGCTCTTCTGNAAAGTGGACGC
CCAAGGGCTTGCGGGGGTCCACCCAAGTCCCGAGCCAGCGCCTTCTCCCATGGGAGAAA
ACTAAGAAAAAACCTGCTTTTTGGGAATTTATTCTCTTACCAGGGGAANAAAACCCCTTG
GGCCCATTCAGAAAGGGGGGAAGGAAGNATTTGNTCTTTTCAANCTTTNCCAAAGGAAAA
NCCCAAGTNGTGAGGGGGCTGGAAAAANAAAATGGCCCCCCCAGGTCTCNTGGTCAAGC
CACTTCCCNCTTCTTNCCCTTTTATAAGGTTCAATCAGCCCCCCCCAACCAAAA

Sequence 2858

CCATGCTCTCCTCCTCTGCCAGNCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAAC
CTGCCCGNCTNCCNTNCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGGA
AGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCATC
AAGTTCAAAGACCAGGACTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGACG

Table 2

TTTAAGGATGAGACATTCCCTGCNNCANANTCTTCCATAGGCCANAAGCTGCTCCAGGAA
AAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGNCCTCCTCAC
TTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTGG
TTCCTGGCAGCACTGGGATCCTTGACTCAGGACCCACAGTACCT

Sequence 2859

AGGTACGCGGGAAGAATAAAGGTGTCTCCATAAACCATGACCTGCAGATTTGACCCACAAT
GACCAGCATGTCCCTTATGGACATTTTCTAGGTCCAGTGGCACTGCAGGTCCCGGATGAT
TGCGGGTGCCAAATTTCTACATTGTGGGGAGGGACCCTGCAGGAATGCCCCATCCTGAAAC
CAAGAAGGATCTGTATGAACCCACTCATGGGGCAAGGTCTTGAGCATGGCCCTGGCCT
CACCTCTGTGGAAATCATTCCATTCCGAGTGGCTGCCTACAACAAAGCCAAAAAGCCAT
GGACTTCTATGATCCAGCAAGGTAGGTTTTTCAGAGGAAAATTCTTTTATCAACATCTGTA
TAAAAGAAATGATGAGGCAGAATTTGGGCCCTTTGAAAACTCTCCAGTGCATTGCCACA
TGCTCCCAAGTGGACTGAGTCCCTTGAGAGTCAAGACGTGGTCTTATAAATTTTATGTCC
CCTAAAATTGTACCTGCCCCGGGCGGCCGCTCG

Sequence 2860

CGCGGTGGCGGCCGCCCGGGCAGGTACCTGACTGTGGCTCAGATCTGCGTGGCAGCAGCG
AGAGAAGAAATCACTCCATATCCGATGAGAGGAAGGGTGGCACAGAGATGGTGTCTACAA
TTAGAGACATTTCTGACTCCACCTTAGCCTAAGCAAATTTATATACTGAGTAACATTTG
AAGGTTGTCTTTAATGGTGGGGGTGTTTTCTTTTAACTACAGTGCTTGCACAA
GAGAGGGAGGGACTCAGAAAAGGTTAGGGCAGGTGGGGGAGACAGTAGATGGCCTGGGAT
GACTTGAGTCCATCATACTATTGCTTGGCAGGTGTCTCCCCCATGTTTGATTCAAATTC
CATGAGTGACCTACCTTTCCCCAGGAATGGGACTGAGAGGGTAGTCTCCAGCAACTCAGT
CTGCACAGGGCTCCCCGTTGAGGCTGCCTTTGGTGGGTGTGCTTTTTGTAAAGTTTTCTT
TCTCTGCCCTTCGACNTACCTCTGAATCANAAAAGCAAGCCCCCACANGGTGGAATTGANG
GGATGNCTGCTTTGGCAATTGCCCCAAATCTTAACCANGGGGNGGGCTGGGCTTGGGCCN
CCCCCTTGTCCTCGCTTTNAAGGGGGGAAAANCCTTACCAAGGTTGTTTGGTTTTGNAA
CCTCAGGGAAATTNAAAAANNCCNNANGGCCCTTTTT

Sequence 2861

TNGAANCTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCGGCNACGACCCAT
TCNAACGTCTGCCCTATCAACTTTCAATGGTANTCTCCGTGCCTACCATGGTGACCACGG
GTGACGGGGGAATCGGGGTTTCGATTCCGGANAGGGAGCCTGATTAAACGGCTACCACATCC
AAGGAAGGCAGCAGGCGCGCAAATTAACCACTCCCTACCCGGNGGAGGTAGTGACANAAA
AAAACAANAAAAAAAAAAAAAGTACCTCGGCCGNTCTAGAACTAGTGGGATCCCCCGGGC
TTGCAAGGGAATTCCGATATCAAGCTTATTTCGATTACCCGTCNACCTTCNAAGGGGGGG
GCCCCGTTACCCAGCTTTTTTGTTCCTTTTAGTTGAGGGGTAAATTTGGCGCGCCTT
GGCCGTTAATCATGGGTCAATAGCCTGTTCCCTGGTTGGTGAAAATTGTTAATCCCGCT
TCACAAATTTCCACCACCAANCATTACCGAAGCCCGGGGGAGCCATTAAAGTTGTTAAA
ANGCCCTGGGGGGNGCCCTAAAATGGAAGTTGNAGCCTAACCTCAACATTTAATTTGGC
GTTTTGCGCCTTCAACTTGCCCCCGNCTTTTTTCCAAGTTCCGGGG

Sequence 2862

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCCCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2863

Table 2

TCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGA
TGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTG
GCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTCTGGCCTATGGAAG
AATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCC
GCAAGGTGGTAAAGTCTGGTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGGCTCCT
GGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCTGTTTCTAGGCAG
GTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCAGGTTANAGAGTGG
TGGAGGAGACTGGCAGAGGAGGAGAGCATGGC

Sequence 2864

AATTTTAAGTAAATCTGCTTTATTCTGATGGNGCCTTCTGTTCANAGGCTCCAGCANACT
TACCTGAGTCCTAACACTATCACTGTGATGGGGGNGGTAGAGAGACAGGACCAGCANAAAC
AGACTGGGGCTGCTCGTCTTTTCCAGCTGGNGAAGTTTTATAGGGATAAAGCCTCCCA
NAATANAATGGCCCATTTGAACAGCAAACACAAAATACTGGTTTTAGGANAACATTGTGAG
CTGTTGCTTTGGCTTTTTAAATCTTCACTTTANAAAGAACTCGCATATGAATTTAATTT
GTTTCTGACTTAATATTTTCCCATTTGAACCTTCACTGGATTTTTTCTTCTTGAGCAAG
CAAATTCAGGAAAACTCCAATATTTGGCTGTCTTCTTCCAGTCCTTNTAACTCCCCC
CANACCCGCGTACCTGCCCGGGCGG

Sequence 2865

AGGTAAGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACCTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCACCGACTCTCCTTAGAAGACTTCCGAGGTCTTTCC
TGTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTC
AGGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAAGGAAAGCATGGCCCCGGCGTCTTGG
AAGAAAGAGCAGTGCTGGTGTCTCCCGCGTACCTGCCCCGGGCGGNCGGTTCTANAAAC
TAGTGGGATCCCCCGGGCCTTGGCAGGAATTCNNTTATCAANCCTTATCGGATACCCG
TCCGACCCTCNAGGGGGGGGGGCC

Sequence 2866

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTAAGTGTGGGTTCTGAGTCAAGGATCCC
AGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATA
TCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACA
TTGGAGAGGCGTTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAAT
GTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTCC
TGGTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGACTCCTGGTAATACCGCCATGAC
CCTCCTTAGAAGACTTCCGAGGTCTTTCTGTTTCTAGGCAGGTGTGTCTGATGGAGG
AGGGGAGACGGGCAGGTTCCACAGGCTCTCAGGTTANAGAGTGGTGGGAGGAGACTGGCA
GAGGGAGGAGCATGGC

Sequence 2867

AGGTAAGTGGGTTCTGAGTCAAGGATCCC
TCTAGACTTAACAGTCTGAATTTAAACACGAGGCATATACACAAATCATCTGGAAGTGA
TTTTTTTACACTAAACACTTCTTTCTGATCCTACTTTCCAGGAGGCTCCTTCTCCAAA
CATACCTCCAGATGAAAATCACTTAATTAACCAAGAAAGACTCAACCGCCCTTAAGTCT
TTTCTAAACAGTCACACATACTGGATTACTTATTTTGAGACATGACAAACAGTTGCAA
ACCACAAATTCATTCTCATGGGCCCTCCACACGGTCTCTTGTTCCTTCTGAAGAGGGTCT
TGCTGAGGACCATTTGTCCCCCTTCTGCAGCAGCTACTCAGTCGGTGCTGGANAGTGTG
GCCTTTCTGA

Sequence 2868

Table 2

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTNCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGNCCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAA

Sequence 2869

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTTGATGGAAGGAGGGGAGACGGGCAGGTTCCACAGGCTCT
TCAGGTTAAANAGTGGTGGGAGGAGNACTGGCCAGAAGGAGGAAAAGCATGGCCCGGCC
CGCTCTAGAATAAGTGGATCCCCCGGGCTGCAAGAAATTCGATATCAAGNCTTATCGA
TACCCGTCGGACCTCGAAGGGGGG

Sequence 2870

ACGCGGGATTGTGACCCCGTTGCATGAAGTCAGGTGTGGAGTTTTCCACTTGTTGGTATCA
TGTTGCTGCTGCTCAAGAAGTTTCTGATTTTGGAACTTTTGGATTTTGGATTTTACAT
TAGGGATACCTAATGTGAGAGAGACTAGGCCGCACAGCTCCCTGCACTGCTGCCTGGTGG
TCTGAACTGGGGCTCTGATTGTTTTCTGAGGGGCTTTTGTGTGCCTTCTGTGAAGGGGC
CTGCATTGAGTGAGTCTACACTGTTGGGCTCAGTGTGGAGCATACCTGGTTGAGCCACCA
GAGTTTGACAGCTTAAGGGCAGCCTGTCAATTTATCTACAGAGTATATTAATGATAAAGA
TCTTTGGAACTTACTTAAAAACAAAATGAAACATTTTCATGATGGAGGATTTCAAACAGA
AAAATAGAATAATTTAGTGAAGTCCCATCACTTTAGCTTTACAGTTAATTCTAGGCTCCC
CCTACCTCAGATGAATTTTAAAGCCAAAATCCCAATTTTCACTTTTATTGGGAAAAAT
GCCTTTCAATACATAATCTCTTAAACAAGAATAATTGGACCTCTTTTATTAAACCTTATTT
TTTAAAGTTGAAAGACTTGACCCACCCAGCCTTTCCTAAATTCCTGGAATTTTCATANTT
TCTNGGGGNTNGAAAGCCTGANTTTTTTTAA

Sequence 2871

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCA
GGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCATGGC

Sequence 2872

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGACGGGCAGGTTCCACAGGCTCTCA
GGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCATGGCCGGCCGCTTGGAGA
AAGAGCAGTGCTGGTGTCTGCTCTCCCCGCGTACCTGCCCCG

Table 2

Sequence 2873

NCNGGGAGCAGGGAACCGNTCAGATACCCCTTCCACACCGTGGAACCTTTGTTCTTACCCT
CTTGACGAAAAATCTTGCTGCTGCCACTCTTTGGGTCCACACCACCTTTAAGAGCTACA
ACGATCACCACGACAGTCTGCGGNTTCATTCTTGAAGTNAAGCGACACCACAAACCCACC
AGANAGGGAGGAACTCCAGACACATTTTGAAGGAACAAATTCAGACACAACATNTTTAA
CAGCTTGTAACACACACTTGTGNAAGGTCCACCGCTTTATTCTTGAAGCCAGGCGGAGA
CCACGGAACCCCTTTGGAANGGGAAACCAACTTTTGGANACAAGCANGGACGTNGAAGAAC
TTTCTTACCTTGCTCAACTTNAANAAATTAATTTTCCGCCACCNAACCCCAATTGGGCC
CACCGTTTTTNGGGGGNNGCCTTAANNAACCTTTGGGGGCNCGGTTNTTAAAAAATTA
AGGTGGGNATCCCCCCCCGGGGCTTGGNAANGGAAATTTCCNATTTTTTNAAGNTTT
TNTTCNAATNNCCCCGTCCGAAACCTTTGGANGGGGGGGG

Sequence 2874

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACGCGGGGTCCACAGCGGCTTCCTTG
ATCCTTGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGG
TCCTCATGCTGGCGGCCCTCTCCAGCACTGCTACGCAGGCTCTGGCTGCCCTTATTGG
AGAATGTGATTTCCAAGACAATCAATCTCGAGCGGCCGCCGGGCAGGTACTGAGCTCCA
CAAACGTGGCCATGGTTGGTGCGGAAATGATTCTGAGTGAGCAGGTAGAAGTCTCACGTC
CTGCTGTGTCCAGAGTTGGTTCTTCCAGAGGGCTCGTGGTCTCGCTGGCTTCAAGAATG
AAGTCGTGGACCTTCACAGTGTGTGTACAGCTGTAAAGATGTTGTGTCTGGAGTTTGT
TTCCTTCAGATGTGTCTGGAGTTTCTCCCTTCTGGTGGGTTTGTGGTGTGCTGACTTCA
AGAATGAAGCCGCACTGTCTGTGATCGTTGTAGCTCTTAAAGTGGTGTGGACCCA
AAAGAGTGAGCAGCAGCAAGATTTTTNGTCAAAGAGGGTNAGAACAAAAGTTTTCCACGG
GTGTGGAAAGGGTATCTTGAGCCGGTTTCCCTTGCTTCCCNCGGTTACCTTGGNCCGGT
TCTAGAACTAAGTGATCCCCCCCCGGGCTTGCAGGGAATTTCAATATCAAAGCTTTATN
GANTACCCGTCNACCTTCNAGGGGGGGGG

Sequence 2875

ACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTC
CTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCTGGTA
GATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTCTTGAGCAGCTTTTGGC
CTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTTNCGGCCCATGCTCANG
CAGGTGATCCCGCAAGGTGGNAAAGTCTGGGTCTTTGAACTTGGATGATGGAGGTCTC
CCACTGCAAGGCTCCTGGTTAATACGCCATGACTCTCCTTANAAGACTTCCCCAGGGTC
CCTTCTTCTGNTATCCTAAGGGCCAGGGTTGTGTTTCATGAATGNGAANGAAGGGGGAA
GACCGGNNCAAGGTNTCCCAACNNAGGGCTTCTTCAANGGTTTANTAANCAANTTNGTG
GGGAGGGAANAACCTTTGNCCNGTAAGNGNATGGGANNAANCCAATGGGGGCCCGGGN
CCGCCTTNTTAAANAAAAACNTTAGTTGGGGANTNCCCNCCNCGGGNCTTGNAAGGGAA
AATTTCCGAAATATNTAAANNCCCTTTTATTNGGATTACCCCGGGCCGTAACCTTTCGNA
ANGGGGGGGGGGGCCCC

Sequence 2876

TACCGGGCGAATTGGAGCTCNCCGCGGTGGCNTNCGAGGTACTCNGGGACCTGCTGTGCT
CTTGCTTGACAGTGTCTGGAGCTGGACCTGGCTCTGGGTTTCCAGGAAGCAGTTTGAC
TAAAGGCAGCAAGCTGCTTCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATG
CAAAGCACACCAAATGTCTACAGCTTAAGATCAACAAAAATCCTTTTTCATTAAATTATA
AATTCACAGAGAATATAAACAATGATCCTTATTATCCCCCTTACTGGCTCACACAGGGGG
AGAGAAGCCAAAAGCCCAACTGATTCCTAATGGCGAANATTGAGAAAAACGCCCCACGA
TGGAAAAAAGCCAGAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGATAT
TATCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTC
TGGCAACTTACCCCAAAGTCAGGTACCTGCCCG

Sequence 2877

Table 2

AGGTACCCTTTCTGCAGAAAGTATAAAATGGCCTTGCTAAGGAATTTAAATTTACATTC
AAGTGCTATTTCTTTACAGCACCGGAAAAACAAGCATTTCAAACAAGACCTACTATACAAT
GACAGTAATTAAGATAATGTGATACTGGTGGAGGAATAAGCACGTAGACAAATCGAACAT
AATAGAGAACCCAGAAATAAACCCCTACAAATATATACGCAACTATTTTTTAACAAAGAT
TCAAAGCAATTCAGTGGAGAAAAATGACCTTTTCAACAAATAATGGTGGAGCAGTTGA
ACATCTACAGCAAAAAACAAAGCTCAACTTCAACCTCACACCTGATATAAACATGAATAA
AAACTATGAACTTTTAGAAAAATAAATAAACTTACCTTACCTTACCTTACCTTACCTTACCT
CATGTTTTTATACCTCACATCAAGATCCATAAAATAAAATTAATACATTGGACAATAAA
TAAAAACCTTTGCACTGCAAAAGACTGTTAAATCATTCAAAGTTATAGAGCGAGCGGG
AGAAAAATCCACCACGTACCTGCCCCGGGCG

Sequence 2878

ACCGNGGTGGCGGCCGACNGGNCANGTTTCTTATNCCNCTCNTAAGNANNNNNGCNGNCN
TTGTGNTCAACNGNGGCNCCNAAGNGACNANNAANNNGNNNCANNCCCTANCANNCTNNNA
GCNNTNNANTTTTGAACANCAANGGCTTNTACCANCCCTTANACCACCNNTGCGCTGC
ATGACCTCCCAGGCNTTACAAANAACGCTNCTTTTACNGATCATATNACCTTTATCAT
CTTTGGGAAAAAGTCATCCCCAGTCTTGAATCCCTGTGGCCAGTGAATAAGATAGACGT
CCAGATAGCTCAGCTTCAGGTCTTGGAGGCTTCTCAAAGGCTTCCCTCACAAGGGGTC
TNTCAAAGAAAGTGGGCCACACCTTGCTGACGATGAACAGGTCTCCCGCATCACAGCCT
TCTCTTGGATCTTCTTGGATG

Sequence 2879

AGGTACCCAAGCATCATGTGAACACTGTGCAAATGCTATACAGAGAGTCACGGCAGCTTA
ACCAGATGGAGAAACAAAAACACAGCAGCGCACACGAATGAGTAAGTAAAAATCCCTATGA
ATCAATTCCTCAGGCATAATACTCTAAATCCTTAAAAAGGGGGGAAAAAAGAATGTAA
CAGAAATCTATTTCCACAATACACCCAAGGGTAATAATGTAACCTAAGTGAATGACA
ATACAAGATTAATAAACACCAAAACCCACTATACCTGGATTTCATATTACTTAGTCGAG
CGGCCGCCCGGGCAGGTACAACGACCCAACCAAGAATCTATCATTTTGAAGCCAAAGAT
GGCCTTAGAGGTGGGTGACTACAAAATCAATCTCAAGCTCATGGATAACCAGAATAAAGA
CCAAGTGACCA

Sequence 2880

TCCCCGCGGTGGCGGCCGAGGTACGCGGGAGAATAAAGGTGTCTCCATAAACCATGACCT
ACAGATTTGACCCACAATGACCAGCATGTCCCTTATGGACATTTTCTAGGTCCAGTGGCA
CTGCAGGTCCCGGATGATTGCGGGTGCCAAATTTCTACATTGTGGGGAGGGACCCTGCAGG
AATGCCCATCCTGAAACCAAGAAGGATCTGTATGAACCCACTCATGGGGGCAAGGTCTT
GAGCATGGCCCCCTGGCCTCACCTCTGTGGAAATCATTCCATTCCGAGTGGCTGCCTACAA
CAAAGCCAAAAAAGCCATGGACTTCTATGATCCAGCAAGGTAGGTTTTAGAGGAAAAAT
CTTTTATCAACATCTGTATAAAAGAAATGATGAGGCAGAAATTTGGGCCCTTTGAAAACT
CTCCAGTGCAATTGCCACATGCTCCCAAGTGGACTGAGTCCCTTGAGAGTCAAGACGTGGT
CTTATAAATTTTATGTCCCCTAAATTTGTACCTGCCCCG

Sequence 2881

TCCACCGCGGTGGCGGCCGCGCCATGCTCTCCTCCTCGCCAGTCTCCTCCACCACTCTCT
AACCTGAGAGCCTGTGGAACCTGCCCGTCTCCCTCCTCCATCAGACACACCTGCCTAGG
AAACAGGAAAGGACCTCGGAAGTCTTCTAAGGAGGGTTCATGGCGTATTACCAGGAGCCTT
CAGTGGAGACCTCCATCATCAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACT
GCCTGAGCATGGGCCGGACGTTAAGGATGAGACATTCCCTGCAGCAGATTCTCCATAG
GCCAGAAGCTGCTCCAGGAAAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATC
TACCAGGGGGTCTCCTCACTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAG
GAGGCGCAGCTGACTGCTGGTTCTTGGCANCACCTGGGGATCCTTGACTCAGAACCCACAG
TACCTCGGCCCGCTCTAAGAACTAGTGGATCCCCCGGGCTGGCAGGAATTCGATATCAA
AGCTTTATCGATACCGNTCGACCCTCGGAGGGG

Table 2

Sequence 2882

TCCACCGCGGTGGCGGCCGCCGGGCAGGTAAGGGCTGCATAGCACAGTTTAGAAA
TTAGGCTTTGGTGCCAGACACTGCAGGTTCAAATCTCAGCACATCCATTAACTAGCTAC
ATGACTTATTTCTGTGCTGTTTCCTCATCTGTAAAATGAGAAAACTGCTACTTCATGGG
CTTACTGTGAAGGGTAAATGAGTAAAAACACAAACAACATACTGAACATTGATGGATCTA
TCCTGGTAATAAAAACAAATGCTAATCATTATTATTATAATTGTTAATAGTGATATTATT
TTAGGCTTTGTATAAATTTCTGAGGATATAAAGTCCAACAGGCCGGGCATGGTGGCTCTC
TTTTAACTTGAGGGTCGCTTTTAACTACTAGAGCTCCATTTCTCCTCTTAAATGAGAAAG
GATTTCAATTTCTTTTCTTTTAAATCTCCTATTTCTTCACACAGTTCAATGTAAAGAGCAA
TAAATGTTTTAATGCCTAACCTGGAGGGAGGCCGTGGTTTCTGTTAATCATACTTTCCCT
GTTCCTTTTCAATTTCCAGGTATCACCCATC

Sequence 2883

AGGTAAGTATTGGGGAAGTGATAAATGTTTCATGAAATCTTCACAATTTATGTTTCAGAGAT
TGCAGTAAAGACAGGCGTAAGAAATTATAAAATATTAATGTGGGGAATTAAGAAATGTC
CATGAAATCTTCACAATTTATGTTCTTCTGCCATGGCTTCAGCCAGTCTCTCTGTTGGGG
GTCCCTGAATTCCTGCAACAGCTCAGAACTAGAGGCTGAGAAAGGGAGTCACTCAAACC
TTGAATCCCTGTGGCCAGTGAATAAGATAGACGTCCAGATAGCTCAGCCTCAGGTCCTTG
AGGGTCTTCTCAAAGGCTTTCTCACAAGGGGTCTCTCAAAGAAAGTGGGCCACACCTTG
CTGACGATGAACAGGTCTCCCGCATCACAGCCTTCTCTTGATCTTCTCTGGATGGCT
TCTCCACCTCATGTTGATTCTCATAGAAATAGGCACAGTCAATGTGGCGATATTCTGCA
TCAATGGCCACCTTCACCGCTTCTTCCACTTTGCCGAGAAAGAGACCTTCAAGTGCCAG
GCCACAATGGGCATCTTGGCTTTGTCTTGCCCGGGCGGCCCGCTCT

Sequence 2884

NAGTCCACCGCGGTGGCGGCCGNANGNACTGAGCTCCACAAACGTGGCCATGGTTGGTG
CGGAAATGATTTTGAAGTGAAGTAGAGGTTAGAAGTCTCAGCTCCTGTGTCCAGAGTTGGT
CCTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTG
TGTGTTACANCTGTTAAAGATGTTGTGTCTGGAGTTTGTTCCTTCANATGTGTCTGGAGT
TTCTCCCTTCTGGTGGGTGTGTGGTGTCCGCTGACTTCAAGTAATGAANCCCCCAGACT
GTCCGTGGTTGATCCGTTNGTATGCCTCTTAAAGGTGGGTGTGGGACCCCAACAGGAGTT
GAGCCAAGCCGGCAAAGAATTTTTCGTTCAAGGAGGGGTAAAGAACCAAAAGTTTCCA
NCGGGTGTGGNAAGGGGTATTTTGAAGCCGTTCCCTTGCTTCCCCGCGTACCCTTGCC
CCGGGGCCCGCCCGCTTCTTAGAAACCTANTTGGGATCCCCCCCCGGGNCTTGCAAGGGAA
ANTNCCGAATATTCAAAGCCTTAATTTGCGAANNCCNGNACNAACCTCCCAGGGGGG
GGGGCCCCNNGTTACCCCCAAACCTTTTTT

Sequence 2885

CCGGGCAGGTAAGCACTTGTGACCAACAGCTAGTCTTGCTTTCAACAGCTAGTCTTGC
TTTCCCTGATCGTAGATCCCTACTAAAAGCTCTTGAAAGTGTGCATATGCAGGCTACCTA
ATGATTTAACGGAGGATCAAGATGGTTACACTGCAGAGAAACAGGAGGGATAGGGCATAT
GCCCTTTGTCCAGCAAGACAGACAAAACTAGGAACCTGAATTCTCTTCTCTGGATTCTCT
GTATCTGGAGCCAAGGCCAAGGATCAGTTCTTCTAGAAAGTCCCTCCTGTGTGTGTGTG
TGAAATGTGTGTGAATGCAGTCATAACTCCCTGCCAAAATTCATTGCCAAAAATTTTG
TGATTTGAAGCAGGCCTTACCTGTTAATGCAAAATTTGATTCTCAAATCCTAAGAGTTTCC
AAAGGTTGAGTGAAGTGAGATGAGACTCTTAGTTGAAGATCCAGATGCTTCTGTGTGCTA
TCTAGATGCTACCAAACTCCCAGCACAAACAAAGTATATGAAAGAGAGGCTCTAGGTTCT
ATGAAATGTTAGAGTTGAAAAAATGGGCCCTTTGGGGTCTTCTTATTCTACCTCCTCA
TT

Sequence 2886

AGGTAAGTATTGGGGAAGTGATAAATGTTTCATGAAATCTTCACAATTTATGTTTCAGAGAT
TGCAGTAAAGACAGGCGTAAGAAATTATAAAATATTAATGTGGGGAATTAAGAAATGTC

Table 2

CATGAAATCTTCACAATTTATGTTCTTCTGCCATGGCTTCAGCCAGTCTCTCTGTTGGGG
GTCCCTGAATTCCTGCAACAGCTCAGAACTAGAGGCTGAGAAAGAGAGTCACTCAAACC
TTGAATCCCTGTGGCCAGTGAATAAGATAGACGTCCAGATAGCTCAGCTTCAGGTCCTTG
AGGGTCTTCTCAAAGGCTTTCCTCACAAGGGGTCCCTCAAAGAAAGTGGGCCACACCTTG
CTGACGATGAACAGGTCTCCCGCATCACAGCCTTCTCTTGGATCTTCTCTTGGATGGCT
TCTCCACCTCATGTTGATTCTCATAGAAATAGGCACAGTCAATGTGGCCGATATTCTGC
ATCAATGGCCACCTTCACCGCTTCTTTTACTTTGCCGAAGAANGAGACCTTNCAAGTGCC
CAGGCCACAATGGGCATCTTGGCTTTTGTCTGCCCGGGCGGGCCG

Sequence 2887

GCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGGGGAGCAGGGAACCGCTCAG
ATACCTTCCACACCGTGGAACCTTTGTTCTTACCCTCTTGACGAAAAATCTTGCTGCTG
CTCACTCTTTGGGTCCACACCACCTTTAAGAGCTACAACGATCACCACGACAGTCTGCGG
CTTCATTCTTGAAGTCAGCGACACCACAAACCCACCAGAAGGGAGAACTCCAGACACAT
CTGAAGGAACAACTCCAGACACAACATCTTTAACAGCTGTAACACACACTGTGAAGGTC
CACGGCTTCTATTCTTGAAGCCAGCGAGACCAACGAAACCTCTGGGAAGGGAACCAACTC
TGGGACACAGCAGGACGTGNAGACTTCTACCCGCTCACTTCAGAGTTTCATTTTCCGCACC
AACCATGGCCCACGTTTGTGGGAGCTCANTACAAAAGCCCAAGATGCCCATTTGGTGGG
CCCTGGGCACCTTGGGAGGTCTTCTCGGGCCAAAAGTGGAAAGAAAGCCGGTGAAAGGT
GGCCATTTGATTGCAGAAATATCGGCCACCATTGACTGGTGCCTATTTTTCTATGGAGAA
ATNAACAGCTTCTTAGAACTAAGTGGGGATCCCCCGGGGCCTGNCANGGAAATTTCC
CAATTATTCAAAGCCTTTATTGGAANTACCCGGTCCGNACNCNTTCNAAGGGGGGGGGG

Sequence 2888

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTCTGGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTC
AGGCAGTGATCCCCGCAAGGTGGTAAAGTCCCTGGTCTTTTGAACCTTGATGATGGAGGGT
TCCACCTGGAAGGCTCCTGGTAATACCGCCCATGACTCTCCTTTAGAAGACTTCGAGGT
CCTTTTCTGTTTCTAGGCAGGTGTTGTCTGATGGGAGGGAAGGGGGAAGACNNGGCCA
GGTTTCCACNAGGCTCTCAAGGTTTAAAAAAGTGGTGGGANGGAGAACTGGGCAAGAAG
GAAGGGAGAAGCCATGGNCCCGGCCCGGANTCTAAGAAACCTAAGTTGGGANCCCCCNC
GGGGCTTGGCAAAGGAAATTNCGGATAATTCAAAGCCTTTATTCGNATTACCCCGNCCNN
ACCTTCAAAGGGGGGNGG

Sequence 2889

CCGGGCAGGTACTGTTGATTACCTGCTACATCCTTCAAATCATCTCCTTTTGCTTCTTG
ACATGACCACTCTCCTACATCTGTATCTGATAGTGCTTTGCTGTAGCACCCCTGCTTT
TTTTCTTCCCCCATGCCACTTTAAGATTATTTCTAAATGCCCTCTAGAGGATCAGAAT
CTCTGGGCCTAATCTCTCTCTAGGCTCTGTATCTAAATGCCTGTGATATCCCAATTC
AGTGTGTCGGGACATCTGGGACTTCACAACTCATCCAATTTCCCGAGAGTCTTTTTCT
CTCTTAAATGTTTTTTTTTTTTGAGACAGAGTCTCACTCTGTTTCCAGGCTGGAGTG
CAGTGACATGATCTCGGCTTACTGCAACCTCCGCCTACTGGGTTCAAGCAATTCTCTGCC
TCAAGTGGTCCCANGTAAGCTGGGAATTACAGGCACCCGGCCACCANACCTGGGCTAATT
TTTGGGATTTTAAAGAAAAAACAGGGTTTTAACCCGGGTTANCCAGGAAAGGNTTTT
AAACCTCNTGANCTTGGGGNAATGNCCCCCCTNGGGGTCCCCAAAAANGGGGNGGG
GANTAACNNGGGGGGGGNGCCCCNANTGCCCGGGCCAAAAATTTTTTTTNTTCCNG
GGGNGGGGTTTAAACCNAAACCTGGANTAAAAAGGGGNAANAAGGNTAAAAATTTT
TTTTATTNNACGGTTTTTTTATTTTANAAAATTTTNNNANCCCCNGGGTGGGNNNTTC
CCTTTTTGNAAGGGGAAAAAAAAGGCCAANTTGGTTTAATTGGCCCCAAAAAAA

Table 2

Sequence 2890

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTT
GACTTGATTCAAATTTATTTATAAAGGACCATTTCCGGGCGAACTTCCCGGAACAAAGAG
GGACTGATCCAAGGTGACCCCGTGTCCACCTNTTANAACANACCCTGTTGCCCATGTC
AGGAGAGGTGAGAAAGGTAGTACATTAGTGCCCCAGCACCTTTTGGATTCTGANAAAAAT
GGACATTGTGTCTGGAGTCTGTGATTTCCATCTGGCTTTGACTTGCTTCTGCTGACT
TCTTTGGCTCCACCCCTTGAAGGATGGCCTNGTGGGACACACAGATCAGAGTTATG
CTAACGAGGCTGCCGAGTGCCAGTTTGCCTGCTGGGGACACCACACTCTAAAAATCTGCG
CGGGCAAATTGTCAAATCCGGTCCCATCCAGTCCCTTGAGAGTTTCCCTGTAAGGNGG
TTCAGCTTTTTTTGAAGTCCAAGGACAATGCCATTCAAGAGCTTGACAAAGCAGTGGGCA
AACTCCTTGTCACCTTTNCCGTGACTCTNTTTTCCCTCCCTGGGATAANGCATGGTTT
ATCTGGCTGCTTGGGA

Sequence 2891

CCGGGCAGGTACGCGGGGGAAAGTGTGTAGCACCTCCACCTTCTCTCTCTCTCCCTCT
CCCTCTCCTGCCAGCCAAGTGAAGACATGCTTACTTCCCCTTCCCTTCCCTCATGATGT
TACCATTGGAATGACATACTGCATCCTATAGTTATACCATCCACTCTGAAATCAATGTGA
ATTTAACTTCAGTTCCATACAGAACTTTTTTCCACAGGAGTTTAAAGCCCAAGCTGGAG
TGCGATGGTGCAATCCCACTCACTGCAACCTCTGCCTCCCAGGTTCAAGCTATTTTCT
GGCTTAGCCTCCGGAGTAGCTGGAATTACAGATGTGCGCCCCCATGACCAGTAAGAAACG
GTTGAACTGGATGCAATTTTATCACAAGCTTGTGTAAGACTGCCTCTGTCCCTCCTCTC
ACATGCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGTTGCCAGCTCATTGCTCTT
ATAGCCTGTGAGGGAGGAAGAAACATTGCTAACCAGGCCAGTGACAGAAATGGATTGCA
AATACCAGTGTGTGAAGCTGAATGGATGGTCACTTTTCATGCCTGTCTGCGGATTGGGC
ACCCTATGCGCCCTGCAGAGGNTTCTCTAA

Sequence 2892

TCCCCGCGGTGGCGGCCGAGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGG
AACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTATATCATCCAGGATG
AAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGT
TTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTA
AACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAAC
TTGATGATGGAGGTCTCCACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGA
CTTCCGAGGTCTTCTGTTTCTAGGCAGGTGTGCTGATGGAGGAGGGGAGACGGGC
AGGTTCCACAGGCTCTCAGGTTAGAGAGTGGTGGAGGAGACTGGCAGAGGAGGAGAGCAT
TGGCCGGCCGCTTCTANAAGTGTGATCCCCCGGGCTGCAGGGAATTCGATATCAAAC
CTTATCGATCCGTCGACCTTGAANGGGGGGCCCGTTCCAGCTTTTTTGT

Sequence 2893

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGGGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTTGGCAGCACTGGGATCCTTGACTCAGAACCACAGTACCT

Sequence 2894

CCGGGCAGGTACAGGACACAATCCCTGCTTCATTCTTGGCTGACACAGTATACCACCCAG
CATCTTCTTTTGTGGCTCCCTGAATGAGCAGGCAGATGTAGCCGTGGTTGCTCTGGTGCA
TGCTGGAGAAAAGGATAAAGTCATTAGGGTTCTAAATTTTTTAAAGTGGCTTTGGACAT
GAAGCATCATTTTTAATTAGATCATTAGAAACAGAATTGTGCAAGTAGCTGATAATAGGG

Table 2

TCATACTTATTCTGTAGAGATTACTAGCTCCATTAAAGTTAATGGGAGAAAGAACAGACG
TCAAGAGTTGAATACATCTGTGTGCTTAATTCCTAGTTGAGGATCTGCCTTTACAAAAAC
CACTGAATAGTCTTTTATCACTAAAGCAAATGAATTCATCTTTTCTTTTAGATAGAATGA
TAAACACTTTTAAAGAAATCACCATTAGATCAAACACCCATAGCTTCCTTCTAAAAGCTTA
ATCCTACATTGGGTAACGCATGGNTTTTGTCTTTGATTGATTTCATCAAAA

Sequence 2895

GCTGCGGCGAGCGGTATCAAGCTCACTCAAAGGGCGGTAATTACGGGTATCCACAGGAA
TCAAGGGGGATTAAACGGCAAGGGAAAGAAACATGTNGAGCAAAGGCCAAGCAAAAAG
GCCAAGGGAACCCGTNAAAAAAGGCCGCCGTTTGCCTGGCCGTTTTCCCATAGGGCTCC
CGCCCCCTGACGAGCCATNACAAAAAATCCGACGCTCAAAGTTCAAGAGGGTGGCGAA
AACCCCGACAGGAATATTAAGAATACCCAGGCCGTTTTTCCCCCTGGGAAAGCTTC
CCTTCGTNGCCGCCCTTTCTTGGTTTCCCGACCCCTTGCCCGGCTTAACCCGGGGAT
AACCTNGTCCCGCCCTTTTCTT

Sequence 2896

CCGGGCAGGTAAGTGTGCTTTCAGCCAGCAGAAATCCAGGAGCTCACTGGGGACCCATCCC
AATTCCTAAAGCATGGGTAATTCAGCCAGGCCTCAGCCTCTTGCGCAGCTGCCTCCAAC
CCTTTGGGTCTCCACCACCAAGTTTCTGTAGGGTCCGCCGGGTCCAGGATCACAGGCC
TGGGTTTCGTGAGCTGCCTTCTCAGGTACCT

Sequence 2897

GCCGACGTACCTGACTTTGNNTNAGTTGCCAGAATANGATCNTCAGGCTTGGCTTGGAAA
TTACATACTTTTCCCACCATCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCC
ATGATGTTAAACAGTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTCGCC
ATTGGGAATCAGTTGGGCTTTATGGCTTCTCTCCCTGTGTGAGCCAGTAAAGGGGANA
ATAANGATCATTGTTTATATTCTCTGTGAATTTATAATTAATGNAAAAAGGGATTTT
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ATGGGTTCTGGTATCTCAAGGCCAGCAGAAGGGAAGCCAGCCTTGCTTGCTTTAAGTTC
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AACACCTGGTNGCCAAGGCCAAAGAAGCCACCAAGCCAAGGGTTCCCCGCCCGTANCCC
TGGCCCCCGGGGCCNNGGNCCGNNTTCTTAGGAAACCTAAGTTGGGAATCCCCCCCCGG
GGCNTTGCCAAGGGGAAATTTCTAATTATCAAAAANGCCTTTAATTCCGAATACCCCGG
TCCGAACCTTCGAAGGGGGGGGGGGCCCCCGGGTTANCCCCAAGCCTTTTTTNGT

Sequence 2898

AGGTACCATGGTGCTGCACAGACCATCAGGAAGAACTGAAAAGTTCAGGCAACTTGAGAA
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TTTCAGTTGAGCACTTTGTTTGGAAAGTTGTCCAAGGCTGGAGTTGTGAGAGCTGGGAAA
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AGAAGTTGATTCCCAGGCCTGCATGCTGGCCTGGAAGTACAGCCTGGGTCTCCTCTTGCT
TTTTCCAGCTGTCTGCCAGGTAGCTCCCCAAGGCAGGCATGGAGGCAGAGCTGCTTTGG
GTTCCAGGTAAGGAGAGATGTGTCCAGGTGGCCTTTGTTGTATTGTGGGGCACAGACACT
GAGGGAGACAGGGAAAGGGTCTGGGAGACCAAGATGGTACCTACCCGGGCCGGCGTTT
TAGAACTAGTGGGATCCCCNGGCTGCAAGGAATTCGATATCAAGCTTTATCGATTCCG
TNCGACCTTCGAGGGGGG

Sequence 2899

AGGTACAGGTTTGTAGCCAAAAAGCAATAGGCTATACCATAATAGTGCAGGTGCGTAGAA
GGCTTTTACATAAAGGTTTATGACCTGTATGATGTTACACAACAACAAAATTGCCTAG
TGGTGCATTTACTATAACATATCCCATCCTTAAGGGACACGTGAATGTATATACACACAC
ACACATATACACATATTACCAAATGGATACATACGTGGTTACCTACAGAAAAATTTAAAC

Table 2

TTTGAAATAATACTCTTAGGGAATGTTACCTTTTTAAAAGATATTCTTTAAATTTATATT
TGCTATTATGTTGCCCTACCAATATTCACATGTAACATTGCACATTTACTAAGGGATT
TTTATATTAGCATTTTAGTCAGCACATTTGTTGTCTGTTACCCTGTGTTATGAGTTAGG
TAAAAAGAGATCTTGTTCCCTGCTTTAAAGAGATCTCAGTTTAGTGACAGATAAGTAAACC
AACCAAAGAGGGTGCATTGAACCCCGGTAGCCTGGGTAGGAAGAAGCTTTCACTCTCAGT
AGTTAAGGTGATGATGGGATGGAGGGACTGTTCAAGGAAAGACTGGGTGAGAAAAAGCTC
ANACTTGGTCTAAATNTGGGAAGGGGTGGGAGGAATGAAGTTTAGGGNNGGGGAAAAGG

Sequence 2900

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CCTGCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCTGCAGCAGATTCTTCCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTCAGAACCCACAGTACCT

Sequence 2901

AGGTACAAGGAGGAGGAAAAACACAGGATTCCATACCAATCTCCTTAGCCATGGCTAGAC
CCTGCGGATAGGTGATGGGAGTCAGTTCTTCTCCTTCAGTTTCTCGATCGTGTCTTTAT
CATCCCTAAGATCAAGTTTAGTTCCCACTAGGATGATGGGAGTGTGGGACAGTGGTGCC
GCACCTCAGGATACCACTAGATGTGAAGAAGGAACAGAGGTTGTGACACGCTCCTTTACA
GATGTCCTTCACCTAAATCACACCCAGCCGGCGGCACTCATGCCAGACACCTAACCTCAG
GCAAGGCCTCCCCACGGAGGCTTCAGGTGGTTCCCACCTTCAATTCAAGCCTTGAGCCAT
AAGGAACATCTCAGGTGTTCCATTAGCAAGCTAGGACTCCCGGATCATGGCTGGACAGAA
CCACGACCGGACAGAACGGGCTCTACAACCGCAGGGGAAGGGGGAAGGGAAGAGAAACA
AAAGGAAGGGAGTTCTTCCAAAGCAAATAGATCACTTTTGTGTTTTGGTNAACAATTT
CTTTAAGGGTCATCTTGAGAAA

Sequence 2902

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TGCTTCCTCTGCTGCCTGAGATACCAGAACCATACAGAAAGACATGCAAAGCACACCAAA
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ATAAACAATGATCCTTATTATCCCCCTTACTGGCTCACACAGGGAGAGAGAAGCCAAAAG
CCCACTGATTCCCAATGGCGAAGATTGAGAAAAACGCTCCCACGATGGAAAAAAGCCA
GAAGTGTAAACATCATGGAAGTAGATGGAGTCCCTACGTTGATATTATCAAAAGAATGG
TNGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTATTCTGGCACTTTACCC
AAAGTCAGGTACCT

Sequence 2903

AGGTACTGAGCTCCACAAACGTGGCCATGGTTGGTGCGGAAATGATTCTGAGTGAGCAGG
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CTGGCTTCAAGAATGAAGCCGTGGACCTTCACAGTGTGTGTTACAGCTGTTAAGATGTT
GTGTCTGGAGTTTGTCTTCAGATGTGTCTGGAGTTTCTCCCTTCTGGTGGGTTTGTGG
TGTCGCTGACTTCAAGAATGAAGCCGCANACTGTCGTGGGTGATCCGTTGTAGCTCTTAA
AGGTGGTGTGNGACCCAAAGAGTTGAGCAGCAACCAAGATTTTTCNTCAAGAAGGGTAAG
AACAAAAGTTTCCACGGTTGTTGGAAAGGGTATTCTTGAGCCGGTTNCCCTCCCCGCGTA
CCTTGCCCNNGGCGGCCGNTTCTAAAACTAGTGGGATTCCCCCGGGCTGCANGAAA
TTTCCATTATNAAAGCTTTAATCGAATAACCCGTTGAACCCTTCCGAAGGGGGGGGGCC

Sequence 2904

Table 2

AGCCCCANGAGCTGAGCGGGGACCCTCATGTCCATGTTTGTGTCCTGACTGGGTCTGACT
CCCCGCGTACCTNCCNGGGCGGCCGCTCTTAGAACTAGTGGAATCCCCCGGGCCTGCAG
Sequence 2905

AGGTACGCGGGAATCTCAGTCATGTAAGAAATGTCACATTTTATTTAATTCAAATCCTAC
TCTGGACCCTATTCTTGCTTTGGTGGGAAATGTGGCCTAAGTAATTATTGGAGGACCCTC
TGCTTCTTTGGAATCTCTGAAGTATTAGGAGGCCAATCTGGTATGGGGAAAATGAAGGAG
GCCCTCTCTCCTTCAGTTCATCACGGCTGCTGCTAACCATTCTGTCCCAGCTGATAGG
GTATCTGAGAAGATGGGTGATTCTTCTCCCTCCAAGCCAAGCTTGACAAGACTANGAAGC
TGTGAGGTATCTGATCTGGCCTCTGTAGATGAACAATTGAGCCACACCCTGAAGTTTTCT
CACCTCCCCAATGTATTGCCATGAGGATAAGGACAGGTCCCTATTGGTCATGACATCCCT
TGCTGCCTCACCCCTGAACAGAGAGAGCCCTAAAGTCCTAGCTACTTTCTTGAAAAAAA
AAGGGTNGAAAAATNCACAGAGAGCAAAACAAACAAATTAATAACTGAATAAAGAGGTT
GAACTAGCCTGGGCAAACGTAATTTTANAACCCCTGTNTACCAAACCAACAACCACCAA
CAACCACCAANAAAAA

Sequence 2906

AGGTACGCGGGGCCCCCTTTTCCAAGCGGCTGCCGAAGATGGCGGAGGTGCAGGTCCTGGT
GCTTGATGGTCGAGGCCATCTCCTGGGCCGCTGGCGGCCATCGTGGCTAAACAGGTACT
GCAGCTGATGAATTGGCAATTTGAAGAACAATGTAAAAATAATAATAATAATAA
GAAACAAAAATATAGAAATGCAACTGACGGCAAGATGAAGCAACAGATATATAAAACAA
AAGACAACATAACAATGGGTGTCAAAACGATCACATGTTTTTAACTATTTCTATACCT
GACACTCACTCATTCTTAAGTCAATGAAGTCATCACTGGGGGAGGCACAGAAACAAAT
ATGGTACCTGCCCCG

Sequence 2907

GCCCCGGCAGGTACCTGACTTTGGGTAAAGTGGCCAGAATAAGATCATCAGGCTTGGCTTG
GAAATTACAGACTTTTTCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTAC
TTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTT
NGCCATTGGGAATCTGGTATTTAGGCANACAGGAAGCAGCTTGCTGCCTTTAGTCAAA
CTGCTTCTGGAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAGAGCACA
GCAGGTGAGGTCCCCGCGTNCCTCGGC

Sequence 2908

AGGTACCGACCTCTCTTTGTAATGAAAATTACTCTGATTATTAAGATGTTTAAGTATAT
CCAACCGTCCCAGACCACATTGGCCTATTTCCCTCTTGGCAACACTGCTCGGGTTTTT
CCCTCGCATCATCCTTATGCTATGACACTGGACTAAATTGTAATAATACATTTTCTTGT
AATCTCCTCATTATACTATGAGCTCCTTGAGGACAGGTACGCGGGGGCGGCCATGGCGG
GACAGGAGGATCCGGTGCAGCGGGAGATTACCAGGACTGGGCTAACCGGGAGTACCTGC
CCG

Sequence 2909

AGGTACTGTGGGTTCTGAGTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCG
CCTCCTTGTTGGATGTCAAATCTGCTTATATCATCCAGGATGAAGTGAGGAGGACCCCT
GGTAGATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTCTTGAGCAGCTTC
TGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGCCCCATGCTC
AGGCAGTGATCCCGCAAGGTGGTAAAGTCCTGGTCTTTGAAGTTGATGATGGAGGTCTCC
ACTGAAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTTCTT
GTTTCTAGGCAGGTGTGTCTGATGGAGGAGGGGAGA

Sequence 2910

CCGGGCAGGTACGCGGGGCGCATNATCTGTCTTGCTGGAAGCTTTTTCTAGAGGTTGAG
CGGTTTGNACANTGTGNGAAATGGCTGAGTTGTCCGAGCTGTATGAAGAGAGCANTGACC
TGCAGATGGATGTGATGCCTGGCGAGGGTGACCTTCCCCANATGGAGGTAGGCAAGCGGG
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Table 2

AGGAAAGGCCCAATTGGANGAAGGAAGGAGGGCCCCAANCCAANTGGCCNGGCNCCCAAG
AGGGGGAAAACGGGANCTTGNTAACGGGGCCCCAACNTTGGGGAANCACCCNANCCNA
GGTGGGCGGCCCTCNNTTTTTTAAANACCAAANNANNNGGGNAAAANTTTTTTTTTT
GGNGGGGNGANAAAAANNTTTTTTTTTNTTTTANANNNNANNATNNGNCATANTTGGGG
GNNNNCCCCNCCAAAAAANNNCCCCNTTTTTATNAAAAANCCCCCTTTTTT
TTTTTTTTTAAAAAANNNACCCCTNGGNGGGG

Sequence 2911

CCCCGTNGTGGCGGCCGNTNATGCTCTTTCTCTGCCAGTCTCCTCCACCACTCTTTAA
CNTGAGAGCCTGTGGAACCTGCCCGTCACCCCTCCTCCATCAGACACACCTGCCTAGGAA
ACAGGAAAGGACCTCGGAAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCA
GTGGAGACCTCCATCATCAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGC
CTGAGCATGGGCCGGACGTTAAGGATGAGACATTCCCTGCAGCAGACTCTCCATAGGC
CAGAAGCTGCTCCAGGAAAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTA
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GGCGCAGCTGACTGCTGGTTCCTGGC

Sequence 2912

GCAAGGCCATCGACCTGACCGTGGGCCCATCGGCCGACGGCAAGGGCGCGGCACGATCA
CCGTGGTGCCCGTGCCGACCGAGGATGCCCTGCGCAACCGCGACTGGATCGAGGGCAATA
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CGGGCCTGGGTCACTTACTTCAAGCGCTATTTCTTCCGCGAGGCGGACAAGCAGGCCA
TCATCGTCGACGAGCGTTTCAATGGCGGCGGACGCTGGCCGATTACTACATCGAGATCC
TGCANAANAAGGAAATCNCCTGGNGGACCTTGCCTTTTGGCCCCCAANAAAAACCCCN
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GGNAAAAANTTTNGGGGNGGGGNTTTTTAAAAAANANNNGCCCCNTTTTT
NAAAAAANNGGGGGGGGNNNNNGGGGNNNTTTTTTTTTTTTNGG
GGGGGGGGGGGGGNNGGGGGNCNCNCNCNCNNTTTTTTTTTT

Sequence 2913

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Sequence 2914

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AAGTGAGGAGGACCCCTGGTAGATCCTGTGGCGCTTCCATATCACATTGGAGAGGCGT
TTTTCTTGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTA
AACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGNGGTAAAGTCTGGTCTTTGAAC
TTGATGATGGAGGTCTCCACTGAAGGCTCCCTGGTAATACNCCATGACTTTTCTTANAA
AATTNCCGGGGNCTTTCTTTTCTTANNNAANGGTGTTTTNNGGGNGNGGGGGGGAA
ACNCNGCCNGNNTCCNNAAGGNCCCCNNNGNTTAAAAANNGGNGGGGGGGGANNAAAN
NCCCCCNAAAAAANAAAAAANNTGCCCCCCCCCTTTAAAAAAGGGGG
GNGCCCCCNCNNGGGGNGGGGGGANNANATTNNNNAAAAANCCNTTTTNTNCCCCC
CCCCCCCCCCCCGGGGGGGGGNGNCCCCCCCCCCCCCTTTTTNTNNTTTT
TTNNGGGGGGNAANAANCCCCCCCCCCCCNAAAAA

Sequence 2915

AGGTGAGAGGATTTCTTGAGGCCAANAGTTTGAGACTAGCCTGGGTAGTATAACAAGAC
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AACCTCTCTGGCAGACCCAAATTAATATTCTAGGACAGGAGTGTCCAGTCTTTGGCTT
CCCTGGGCCACATTGGAAGAGGAATTGNTTGGGCCACACATGAAATACACTAACC
ATAGCTGGATTGAACTAAAAAATCACCACAAAAATTTTCATNAAATGGTTTTNAAG
GAAAGTTTGTGGNAATTTTGTGTTGGGGCCCTNATTGCCANCCCCGTNGGGCNCATGNG
GTTTTGTACCAAAATTTTGCCCTNNGAAAAACAAAGTTTGTNTTACCCTTNTGGCGCCGN

Table 2

TTCTTAGAAAAACCTAAGTTGGGATCCCCCGGGGCTTGTAANTGAAAATTTTCCGAAT
NTTCAAAGGCCTTTAATTTGAATAACCCGNTTCNNAACCTTNNGATNGGGGGGGGGGG
Sequence 2916

ACACCGCTTGTTAATGGCAACCATTTCAAAGATAAAGAAAATGGAAATTAAGGGAAATC
TGTTACGCAACAAAGATCTTGAGGAATTATGCAGACATATCAACAACAGAAACCAAGCAG
CACAGCATTCTCAGAAGCAGTCTACTGAGCTCTCCAGTGCATGTACGCGGGGACCCTT
CTCTGGGACACATTGCCTTCTGTTTTCTNCAGCATGCGCTTGCTCCAGCTNCTGTTTCAGG
GCCAGCCCTGCCACCCTGCTCCTGGTTCTTTGCCTGCCAGTTGGGGGCCAACAAAGCTCA
GCGACAACACTNNGNAGATCATANNNNAGAANNNGNTGACATTCCTCAAGTNAGGCANCTTG
CCNCGNTGCGGCCGTTTCTAGAACTAGTTGGATCCCCCGGGCCTGCAGGGAAATTTTGA
TTATNAAAGCTTTATCGGNTACCCGGCCGAACCTNNANGGGGGGG

Sequence 2917

CCTTTGNTTTNNGCNAATTGCAGCTCCACCCTTNGTGGCCGAGCGNNCGCCCGGNTTGGT
TCTCCAGCCTGGGCGACAGAGCGAGACTGTGTNAAAACAACACCACAAGCTAGCTGAGTA
GGGATTCTTGGGCCGAAGTGGAGGACATTATAAGCAAATAGGGTAGTATGGGCATGGAAA
CGAACTACATGATTAAAGATTAGTATTATCTGGCGAGGGAGGAAAAGTGCCANAGCAAGN
GCCGAACTGGAAGGTTACATTTAGTTCAGGATATGAAGATCATAT

Sequence 2918

CCGCGGTGGCGCCGAGGTACTCTCCAGTGACATGCTTCTTGACCACAATGGATGAACT
GTGCCCAGCATGCCCACTTTCCAATGCTCCACTGATCCCCATGTTTTGTTTCTGAAGGAC
AACCAGCCTTGAATAATGGCAAATACCTTCTTAAGTTCCTACAAAGTATGGTCCCTGGG
AAGTTTATGTCTGTAAGTCAAACCTTGGGAAGTAACTGAGTTTTGATGCCTTTTCCAGCA
TCATCAGCATCATGCTATTACAATCCCAAACCATGGGGGTTTCTCACAGCTTTACACCAA
AGGGCATCACTATCCCTCAAAGAGAGAAAACCTGGACACATGTTCCCAA

Sequence 2919

GGNTTATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGGGTCTGAGTCATNGATCC
CAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTCCTTGTGGATGTCAAATCTGCTTAT
ATCATCCAGGATGAAGTGAGGAGGACCCCTGGTAGATCCTGTGGCCGCTTCCATATCAC
ATTGGAGAGGCGTTTTTCTGGAGCAGCTTCTGGCCTATGGAAGAATCTGCTGCAGGGAA
TGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGCAGTGATCCCGCAAGGTGGTAAAGTC
CTGNTTCTTTGAACCTTGATGATGGAGGTCTCCACTGAAGGCTCCTG

Sequence 2920

ACTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTNGGGTTTCTTTAATAATGCCTNTCCAACAC
AGCCAGTGAGAAATTCCTGTCAGAGCCAATTATCCAGCTAATTGANAACAAGGATACTCT
AATACTCTTACCTGCTCCGAANAGGGTATCATCAGATGCCTNTTGAGAAGGGATTGTC
CATCAAGGATCCAGGCAGAGGGGAGTGTCAGCCACTACCCGGGAGGTGGACCAGGTGGCA
GGAACAAAATGGAACCACTNTGATGGTAACCANACTGCAGGGACCTGCACCCAAACCACA
GGCAGTCTCCATNAGTCAGCCCAGAGAGCAAGACCCAGTTATNTGGCTAANAAAGGAAAA
AATTAGTAAAAATGGATCTAATGAACTTCACAGGGTGGGTGTCAGGATTTATCAAATTA
ATGCATGGGTCTCAACCTTGGCAATNCCNGTACCTTTGGCCGNTTTAGAACTAGTGGA
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GGGGGGGGGG

Sequence 2921

ACTGTGGGTCTGNTTCAAGGATCCCAGTGCTGCCAGGAACCAGCAGTCAGCTGCGCCTC
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GATCCTGTGGCCGCTTCCATATCACATTGGAGAGGCGTTTTTCTGGAGCAGCTTCTGGC
CTATGGAAGAATCTGCTGCAGGGAATGTCTCATCCTTAAACGTCCGGCCCATGCTCAGGC
AGTGATCCCGCAAGGTGGTAAAGTCTGGTCTTTGAACTTGATGATGGAGGTCTCCACTG
AAGGCTCCTGGTAATACGCCATGACTCTCCTTAGAAGACTTCCGAGGTCTTCTCTGTTT

Table 2

CCTAGGCAGGTGTGTCTNATGGANGAGGGGAGACNGGCAGGTTCCACAGGCTCTTAAGTT
AANAAAGTGGTGGAGGANACTGGCCANAGGANAGCATGGCCC

Sequence 2922

AGGTACCTGACTTTGGGTAAGTTNCCAGAATAAGATCATCAGGCTTGGCTTGGAAATTAC
ATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCATGA
TGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTCTCAATCTTCGCCATTGG
GAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGTGAGCCAGTAAAGGGGATAATAAGG
ATCATTGTTTATATTCTCTGTGAATTTATAATTAATGAAAAGGATTTTTGTTGATCTTA
AGCTGTAGACAAATTTGGTGTGCTTTGCATGTCTTTCTGTATGGTTCTGGTATCTCAGGCA
GCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAAGTCTTCTGGAAACCCAGAGCCAGGTC
CAGCTCCAGGACACTGTGCAAGCAAGAGCACAGCAGGTCCCCGCGTACCTGCCCCG

Sequence 2923

TCACTATAGGGCTTATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACGCGGGGACCTGC
TGTGCTCTTGCTTGACAGTGTCTTGGAGCTGGACCTGGTTCTGGGTTTCCAGGAAGCAG
TTTGAATAAGGCAGCAAGCTGCTTCTCTGCTGTCTGAGATACCAGAACCATACAGAAA
GACATGCAAAGCACACCAAATTTGTCTACAGCTTAAGATCAACAAAAATCCTTTTTTCAATTA
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CCACGATGGAAAAAAGCCAGAACTGTTTAAACATCATGGAAGTAGATGGAGTCCCTACGT
TGATATTATCAAAAGAAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATC
TTATTCTGGCAACTTACCCAAAGTCAGGTACCTTGCCCCG

Sequence 2924

GCTCCCCGCGGTGGCGGCCNTGGTACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATC
AGGCTTGGCTTGAAATTACATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGG
GACTCCATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTT
TTTCTCAATCTTCGCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGNGTGAG
CCAGTAAAGGGGATAATAAGGATCATTGNTTATAATCTCTGNGAATTNATAATTAAT

Sequence 2925

GGCGGCCGANGTACCTGACTTTGGGTAAGTTTNCAGAATAAGATCATCAGGCTTGGCTTG
GAAATTACATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTAC
TTCCATGATGTTAAACAGTTCTGGCTTTTTTCCATCGTGGGAGCGTTTTTCTCAATCTTC
GCCATTGGGAATCAGTTGGGCTTTTGGCTTCTCTCTCCCTGTGTGAGCCAGTAAAGGGGA
TAATAAGGATCATTTGTTATATTCTCTGTGAATTTATAATTAATGAAAAGGATTTTTGT
TGATCTTAAGCTGTANACAATTTGGTGTGCTTTGCATGTCTTTCTGTATGGTTCTGGTAT
CTCAGGCAGCAGAGGAAGCAGCTTGCTGCCTTTAGTCAAAGTCTTCTGGAAACCCAGA
GCCAGGTCCAGCTCCAGGACACTGTGCAAGCAAAGAGCACAGCAGGTCCCCGCGTACCTG
CCCCGNCGGCCGCTTCTAGAACTAGTGATCCCCCGGGCTGCAAGGAATTCATATTA
NGCTTTATTGATACCCNCGNACCCCTCGANGGGGGGGGCC

Sequence 2926

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TNTTGCAGCTTTTCANAATGTCATATTGCCACTAATGATTACTGATNCNCAACANGCAG
TTTNTTCAGGCCTGTGGATTGGCATCCAAATACAGAGTNTTACNACGCGGGGACGTGGGT
GCCCCCCCCGATGCCACGGAAAGCTTACATAAGTTTAACTTGAACANAGCTTTGGGAAA
TGGGGCTTGCAAAGGAGAAGCAGTTCCACNCCAGGANCCAACGTGAAAAGCNTTTGGAA
TCAGCACAAACAGCCNTGGAATCAGGCAGGCAGGGGAGGACGGGCTGTGTCTTCTGGAGC
TNTTATTAGTACCTGCCCGGGCGGGCTTTTTTAAAAACTAGGGGGATCCCCCGGGGCTG
NGNNGGAATTTCNATTNTCAAAANCTTATTNGATACCGGCNANCCNTCANAGGGGGGGG
CCCCGGGCNCCCCANCTTTTTTNGNCCCCCTTNGNGNGNGGGNTNTAAATTGGGCNCC
CCTTTGGGNGGTAAANACNATGGGCCAATAGCCTGGTTNTCCCTNGGGGGGNAAAATTG

Table 2

GTNTTCCCGTTCCNAANTTCCCCNACAAACAATATAGNANGCCCGGGGGGNCNTANAA
AANNGNGTAAANGNCCCTNGGGGNGGCCNAATGGNGGGNANCCCAACCNCNCNTTTTAN
TTNGNGGGTNGGGCTTCNCTNGGCCCCGTTTTCCNGTGGNGGGAAAAACCNTGNTGGGG
CCNNGTTTTTTTAAATNTAATTNTGGCCCCCCCCCCCCCCCCCCCC

Sequence 2927

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGGGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCTCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTTCAGAACCCACAGTACCT

Sequence 2928

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTTATTCTCAGCAAACAGCAATTCC
ACTGCCAGAGAGGTAGTTTCTNTTTTNTGCACCATGCAGCTCCCTGTCAACAGCTTATA
TACAGCGGTTTCCACTTGNGTCTCCTGTGTTAAGCTCTAAGCAACTTGAGGACGGGGCTC
ACACTNTAGTCAGTGCTGTCTGAAAGCAGCATAATATGAGTCACCAGTGTAACACAGCCA
CATAATTAAAGATTTTTTAACANCCACATTNTAAATGTAAAGAAAAAAGT

Sequence 2929

AGGTACTTATGAAGCCCATCTAAGTAAGATCATTTCTTCTAATTCAATTTCTAAAAATCA
TTTGTGTTTTAGAAATCTCATGATTCCCAGGAAAAAAATTTAAATTGTGATACAGGTTT
GACAGCCTTTTAGTCAAATAAGTTAAAAACACACACGCAAACTCATTTACTCACTTTGCCA
TTATAATTCAATCACAAAGAAATTTTGCCAGGCGTGGTGGCTTACGCCTGTAATCCCAG
CACTTTGGGAGGCCGAGGCAGGTGGATCACAGGTCAGGGGATCAAAGATCATTCTGGCT
AACATGTGAAACCCCGTCTCTATTAATAAATAAAAAAATTAACCTGGTGTGGTGGCNGGTG
CCTTGTAGTCCCAGCTACTTCGGGGAGGCTTGAGGCACCAAAATGGCGTGAACCTCAAGGA
NGGCGGANCTTTGGCNTTGAGCCCGAGATCGCGCCCACTTGNACCTTCAANCCTTGGNTT
GACCNAAGCGANGACCTCCCGTTNTAAAAAATAAAAAAAAAAAAAAAAAAAGTACCTTG
GCCCGGGGCGGGGCCCGTTTTTANAATAAGNGGGGNTCCCCCGGGGCTGGNAGGG
GAAATTTGANTTTTNAAGCTTTATTTGAATCCCNNAACCTCTNANGGGGGGGG

Sequence 2930

AGGTACGCGGGTAGAGATGGAAAATATCAGACCAATTGGAAATTTTCCTTTGACTCTCAC
CTGGTCTGAGCATCTTCTGTCTTTTTGGTACAAAAGCCAAGATGCCATTGTGGGCCTGG
GCACCTGGAGGTCTCTTCTCGGCAAAGTGAAAGAAGCGGTGAAGGTGGCCATTGATGCAG
AATATCGCCACATTGACTGNGCCTATTTCTATGANAATCAACATTGANGTGGGAGAAGCC
CTTCCAAGANAAGATNCNAAGAAGAAGGCTGGTGATGCCGGGAGGGACCCTGGTTCATTC
GGTNAGCAAAGGTGTNGGGCCCCACTTTTTNTTTTGGNNAGAACCCCTTTNTGAAAGAAA
AGGCCTTTTGAAGAAAAAACCCTCAANGGNCCCTGAAAANCTGGGACTTTTTTTNGGN
NCCGTNTATCNTTTATTTCCCTGGGCCCCNNGGGGAATTCAAANAACNGGGNGGNA
NAAANTTTNTTCCCCAAAAAANGGANNAAGNGGNNTTTTGNNTTNCGGNGGG
NAANACGGGGGAGNCTTTTTTTGGGANTGGNCTTGGNNGAGGGCCNTTTTNGANGGAAC
CTTNGGNGGGACCCAAAAGGGGNCNTGGNNGAAAAAACCCCTGGGGGGGCGNNAAAAAAN
TTTTAAANCCCTTTNCGNNAACGGGGANGGNNTTTTGAACNCCCTTTTCTTGN
ANTTNAACCCNCNTGGCNNNAACNCNACNGGNNGGGGNNCCCCCTTCCCNCCCC
CGNGNAAAAANTTTNNTTTNTNTNTNTNTCCCCGGGGGGG

Sequence 2931

ACAGCTGTCTGCATTGAAAATTCATGCATGGAGAAAGGGAGTAAGCAAGGGAGAAACGGT
GCGATTCACATATTCGCGAGATCATCAAGCCAGCAGAGAAATCCCTCCATGAAAAGTTA

Table 2

AAACAAGATAAGCGCTTTAGCACCTTCCTCAGCCTACTTGAAGCTGCAGACTTGAAAGAG
CTCCTGACACAACCTGGAGACTGGACATTATTTGTGCCAACCAATGATGCTTTTAAGGGA
ATGACTAGTGGAAGAAAAAGAAATCTGATACCGGGACAAAAATGCTCTTCAAAACATCA
TTCTTTATCACCTGACACCCAGGAGTTTTTATTTGGGAAAAANGGATTTGAACCCCTGGNG
GTTACTAACATTTTTAAAAGGACCCCNCAAGGGGAAGCCAAAATCTTTTCTTGAAAAG
AAAGTTAAATTGATTNCCCCTTTCTNNGGNGAAATNGGAATTTGGAAATCAAAAAGNAAT
TTTGACCTTNATTGGACAANCCAAATGGGGGGNAAATTCNATGGTTGNAAGAATAAAAA
CTTCCTNTNTTCCAGGCANAACACCANCCTTTTTGGGAAATGAATCCAACCTGGCTNG
GAAAATNNCCTTTAATAAAATTTAATCAAAANTCCCTTCCCAANTTNAAGTTTTGGTTCCG
GGGGNTAGCCNCCCCTTTTAAANAAAAATCCCCCGGGGACTTGGGTTTTTAGGACCCCCC
CCTTNACCNAANGTNCNAAAAATTTGGAAGGGGGGAACCNCTGANTTTTNCCAACNTGG
TTTTAAAGAAAGGGGGGNAAAACAANNAACCNGGANGNGGNTNCCCGNGGGGNGGCCCT
TTTTTAAAA

Sequence 2932

TAATACGACTCACTATAGGGGCGAAATTGGGAGCTCCACCGCGGGTGGGCGGGCCCCGCC
GGGCANGGTACAGGTGGGCACGAATCTTTGGCTTCACTTGGNAACCTNCGCCTNCCGGG
GTTCAAAAGCCGAATTCTTNCTGGCCNTCAAGCCTNCTTGCANTAAGCTTGGNAACTACA
AGGCCACGTTGCCACCCACAACCCAAGTTAAATTTTTGTATTTTTAAGTAAGAAGAA
CCGGGGGTTTTACCATTTGTTGGGCCAAGGATGGGTCTTTGGATCCTCTTTGGACCCT
CGTGGAATCTTGCCCACTTTTGGCCCTNCCCAGAAAGTGGCCTGGGGAATTTACCAAGGCA
TTGAAGCCACCCGGTGCCTTGGCTTGAAGAAAAACCGGAATTTCTTTTTTAAAGAAAA
AAATGGAAAAAAGGCTTCTTTCTTTTNCCTTTNAAAAAAGTCAACAANGGTTGGGGTA
CCCTTTGGGGCCCGCTTTNTAAGAACTTAAGTNGGGATTNCCCCCGGGGCTTGGCA
AGGGNAAATTTTNNAAATANTTTNAAAGCCTTTAATTCGGAATAACCCGNNNCGAAANCC
TTTTNAAAGGGGGGGGGGGGCC

Sequence 2933

AGGTACGCGGGGGAAAGTGTGTAGCACCTCCACCTTCTCTCTCTCTCTCCCCCTCCCTCT
CCTGCCAGCCAAGTGAAGACATGCTTACTTCCCCTTACCTTCCTTCATGATTACCAT
TGGAATGACATACTGCATCCTATAGTTATACCATCCACTCTGAAATCAATGTGAATTTAA
CTTCAGTTCCATACAGAACTTCTTTTCCACAGATGGAGTTTAAGCCCAAGCTGGAGTGC
GATGGTGCAATCCCAACTCACTGCAACCTCTGCCTCCCAGGTTCAAGCTATTTTCTGGC
TTAGCCTCCGGAGTAGCTGGAATTACAGATGTGCGCCCCATGACCAGTAAGAAACGGTT
GAACTGGATGCAATTTTTATCACAGCTTGTGTAAGACTGCCTCTGTCCCTCCTCTCACAT
GCCATTGGTTAACCAGCAGACAGTGTGCTCAGGGGCGTT

Sequence 2934

GCCATGCTCTCCTCCTCTGCCAGTCTCCTCCACCACTCTCTAACCTGAGAGCCTGTGGAA
CCTGCCCCGTCTCCCCTCCTCCATCAGACACACCTGCCTAGGAAACAGGAAAGGACCTCGG
AAGTCTTCTAAGGAGAGTCATGGCGTATTACCAGGAGCCTTCAGTGGAGACCTCCATCAT
CAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACTGCCTGAGCATGGGCCGGAC
GTTTAAGGATGAGACATTCCCTGCAGCAGATTCTTCATAGGCCAGAAGCTGCTCCAGGA
AAACGCCTCTCCAATGTGATATGGAAGCGGCCACAGGATCTACCAGGGGGTCTCCTCA
CTTCATCCTGGATGATATAAGCAGATTTGACATCCAACAAGGAGGCGCAGCTGACTGCTG
GTTCTGGCAGCACTGGGATCCTTGACTCAGAACCCACAAGTACCT

Sequence 2935

CCGGGCAGGTACGCGGGAAATGGAGAAGGCTTCCATTTACTTCAGAAAGCTACACTGACT
CTACTAAAAGGCCCTTTCTGCTGGCTTTTAGGAAAAGAGAGAATCCCTCATCAGTCT
CAAAATCACAAGCAACAGAAATGGGAAATCGTTTTACTAAGAATGAAATGTGTGATTCA
GTAATACTCTTCATCTTCCCCTTAGCCAAGAACCCTAGCTCTCAGAATATTCTGAGTA
GCTGTAGAGGTGTCCTTACAGACAGCAAATTGCTAATAACATTTGTTGAATATTTACTAA

Table 2

GCGCCAGGCACTGGGCTAAGGGCTCCTTGTAATTTTCACTTGATCCTCACCACAGCCC
TCGTCACTCCATTTGACAGATGAGAAAAGTGAAGTCACTAAGGCAGAGCTCACACAGC
TAGTGACAGGCAAAGCCAGACTTGGGACCTGGCTCCAGTCTGCTGAGCAGTCTGCCTCAG
AACCTATACTCTTAAATCCCGAAAACAGAGCTATAGATGCTTTTCTGCCTCCTTAACT
TTCTTTTCTTANA

Sequence 2936

ACGCCGGGGTCAATAAGAAATTCTCATGAGATCTGGTTGTTGAAAGTGTGTAGCACCTC
CACCTTCTCTCTCTCTCTCCCTCTCCCTCTCCTGCCAGCCAAGTGAAGACATGCTTACTT
CCCCTTCACCTTCCTTCATGATGTTACCATGGAATGACATACTGCATCCTATAGTTATA
CCATCCACTCTGAAATCAATGNGAATTTAACTTCAGTTCCATACAGAACTTCTTTTCCA
CAGATGGAGTTTAAGCCCAAGCTGGAGTGGCATGGTGCAATCCCACTCACTGCAACCTC
TGCCTCCAGGTTTCAAGCTATTTTCTGGCTTANCTCCGGAGTAGGCTGGAATTACAG
ATACTCAGGAATTTCAAGTGTGCTATCCCTATGTGTATTGATTATATCTTCATCCTGCTC
AAATTTGCTATTGA

Sequence 2937

AGGTACAGATCCACAGCCTGTCAGTTGCACCCCTCCCTGACACCACCACCGGGACCTGCAC
AGACTGGGAGTTCAATTCCTTGCTCACTGGGGCCTGCCTTCCCCAGGCTGGTGCTTCTG
ATAGCCAACTGAGGGGTGGGAGGTATTTGAAATGCAGATTTAATTATTCATGTGTGGT
GAGGCCAACAGATCAGGAGATAACTGCCACTGAAATGATAGTTTGTACACACAGTTCCC
AATGGGAGGGGACATGCCACACACGGNGGGGGTACACAGGGAAGCACCAGGTGAGCTG
GGAGGTAGAGGGAGCCAGGGAGAAAAGTGGGCAAGAGCCTTATTGTTTTCCATGGGAGG
GAACGGACAAGGATTTGAGTAAGTAGGTTTAGGATTGGCTATTTGGAATAACTTCAGCGA
GATCTGGAGCACAGAGGCTGTCTGAGTTATCTGGTATGTGTCTGGATTGATTAGGGCA
GGANACAGGGGCCAGAGTGTGAGAGCCCANAAAAGGAAGTGGGGGTATGGGCCTTTGGA
GCANNTTTTTTGTTGGGGTGA

Sequence 2938

AGGCTAATTGGACTCCACCGCGGTGGCGGCCGAGGTACTTTATNTTTTTTTNTTTNTTG
CTTTTTGCCAGTTTTTAAGTTTTTAATTGGATTACCAGCTTTAGGGTGGAGCCGCTTGG
AAGAACAGGGCCAGCAAAGGGTCTCTGGNGCCTCCTGTTTTTCCAGGGAGTCCAGGCT
GTTANAGCTTGAATATCCCACTTTTAATTGAACTGATTTTAACCATAAGCACTCTTTAAT
ATTAAAGTCCTTCCGTGTCCGGAATTGGTGGGTCTTGGGTCTGACTTCAA

Sequence 2939

CCGGGCAGGTACGCCGGGGGAGTCAAGACCCTGTCAGGACACAGCATGGACATGAGGGTC
CCCGCTCAAGCTCCTGGGGCTCCTGCTGCTCTGGCTCCAAGGTTCCAGATGCCGACATC
CAGATGACCGCAGTCTCCATCTTTCCGTGTTCTGCATCTGTAGGGAGACAAGCCGTCACC
ATCACTTTGTGGGCGAAGTCGGGGGTTCTTTAAGTACCTTCCGGCCGNTCNTAANAAA
CTTAGGTGGGATTNCCCCGGGGGCTGGCAANGGAAATTTCCGAATTATCAAAGCCCT
TAATTCGGANNACCCCGGTGGAACCTTNNNAAAGGGGGGGGGGGGCCCCCGGGTTAN
CCCCAAAACCTTTTTTGGNTTTCCCCCTTTTNNAGNTGGNAGGGGGGTTAAATTTT
GGCNCCNCCTTTNGGNCGGTTNAATTNCAATTGNGGGGCCNAATTAAGGCNTTGGGT
TTTCCCTTGGGGGTGGGAAAAANNTTNGTTTATTTNCNCGNCTTCCACAAAAATTTT
CCNCCACCAACCCAATTNACCCAAANCCCGGGGGGANGCCNNTTAAAAANNTNGNTTA
AAAAAGGCCCTGGGGGGGGGNGGNCNTAAATGGGNGGTGGGAGCCCTTNAACCTTNCAA
CAATTTTTNAATTTGGNNGGGTTTNGCGGGCNTTCANNCTTTNGGNCCNCCTTTTTTCC
CAAGTTTCCGGGGGAAAAAACCTTNNTCNNTNGGCCCCCNCNTTGGCCATTTAAANTG
NAAATTTGGGNCCCCNAACCCCCCCCCGGG

Sequence 2940

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAGGCTATGTGCTAAGTATGTTA
TTCCACTTAACCAGCCCTCAGTCTAACAGAGCAGATGCTATTATTATCCCCTTTAAACAG

Table 2

TGAAGAAGCGAGGCTTAGGGGGAAGTGTGTCATGCCCCAGGGCCACATGGCCGGGTAAGG
GGTCCAGCAGCTTTAAGCCAGGGAGGTGGGCCCCAACGTCCATACCCTCAGCCATCTTCAT
CCTACTTCGTACAGGGTCGGGGAAGATACAAGTGATGAAGGCATTGTGGTCAGACTCTT
GTGATTGGCCCAAGGATGAGTGAGGCCCTTGAAGGTGCCTTCATTAACGTGGAGTACATG
CCAAATGCTCTAANGAGACATACACCCTTAACCCACTCGATTTAACAAAAAGGAGGNCTT
TTTTNGTGGGAAGCCAGGCNCCCACAATTGCCAGCAAGATTAAGGGAGTCCAGANGAATN
CCCCCAAAGTTNGCTTTCTTAANTNTTCCCCANCNCCTTAAAGGGGAAAAAAGAAAA
GGGNGAAGCCNCCCNNCTTTAAAGGGAAAAAATNGAAANCCTTGAAAGGGAGNANGNATT
TTTT

Sequence 2941

NCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTCGAGCGGCCGCCGGGCAGGTA
CCACACACACACAGGCACACGCAGGCACACGCAGGCACACACGCAGACACACACACACAT
AAACACACAGAGTTCAGTAGTCCGAGTACTGATTTTCTTAGGATTCTCAAAGTGACAAC
ACCGGAAACAAGGTAATTCATGTTAAACACAAGGGTTATATCAGTAAGAGATGGGATCC
CCGAAGTAAACCGTGGAAATTTGAATCAAGCTTCSAAGAGCTAAAAAAGAAATTGGAGTT
TCAACATTCACCTTCTTGAATCCTTAAGAAATACAGAAGTTCAAAATAGAAAACATTACA
GTTTCAGGATACAAAAGTAGAAACATCTGAGATTAAGCCTACATTTTTAAAAAAGATAT
TGAAAAATTACTGNGCTTGTAAATACCAGCTTTTCAAACATCAATACCAGTTATTGGCATT
ACCTAGATCAAATCTTTTTTCAATCAAGGTTGAAAAAA

Sequence 2942

CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACTT
TTAAACCTCAATGCCACACTCATAATGAATAACCAGNCTACTATCTTATGAATTCCT
GATAATTTTCTCTCATTTTTACTCAAAACTGCCAAATGAATNCAGGACCGTCTNTNCAA
GACTTAAACTNTATTTTATTTTGAATACTATGAGCTCTAAATATCTAGATTTTG

Sequence 2943

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACTTTACCTTGATTGGGAAGATCATGG
AATATCTATTGAACTCCTGGATGATTTTTCTCACAGTCTCCTTGCTTCCTGAAATTTCC
TCTGGTAAGTTATTCTTTATCTGTTACTAAGAACTTAAGTATTGCTATTTTAATAA
GCTCTGTTTTGTTGAAGTATTTTCAATTTTTCACATTTTGTACTTTTCAAGTAAAGAT
CCATATGGCCATATTTATTAATTAGTATGGTAGGTGGNAAGTGCAGTGCCTAAANCATAAC
CATNGTAATGTATTACCCCNATANTCCCATGTATTACCCCAATATCTTTTACCTTCCTTT
ATTTTTAAAAATATTTGCTCTATTTATTTATGGGGTTACAACGGACATTAATTCGCCC
CCCACCCCCATTA

Sequence 2944

CCCTTAGCGTGGTCGCGGCCGAGGTACTGGAGGAAGANAATGGGCCATAAAAAATAACT
CCCATTTATATAATGCTACACAGTTTACAAAGTGCTTCCCTACACACTCTGTGTTCCAAG
GCTTGCAGTGACCCAGTAAGGTTGGAAGGTCGAACCCCATCTGGAGGACTAGGAACTGA
AGCTCANAAGAGGGAAATGCCCTTCCCANAGTCTAAATCAAGCAACAAGGGCAGGATGTG
GACCCCTTTCTTCTCTCTGTTTCAAGTCTGCTGACAGTGCCTGAACCGGGAGCTTT
GGGTTGGATGGGTGATGAAAGAAGAGAGAACTTGCAAGACCCATCACTGCATCCAGGTG
GGGTTT

Sequence 2945

CCCTTTGAGCGGCCGNCGGGCAGGTACTTGATTGTTCTGAAATTCCTTATGCATGATTA
GAGAAAGAGTAAATGACGTATTTTAGGATTGTGTTTAAACAAAAGTGAGATGCTAATTCCT
GAAAATTAGGCCTCTCTATGGGACTGCACGTAATCACATTACCCTAGATCTTGAGTTAG
CCGAGAGAATATTCAGTGTGAGGTGATTCACTGACCTTGCCTATAACTTGAAACCAATAA
GCAAATCCAGATGTAGTTTCACTGGCCTTTGAAGTCCAGGGCAAAAAGACAAAGCGTGAC
TCCCTGTCTCCCCATTGCATCCTGATTGTCTCCCTGTCCAGGGACAGAATAAATATCCTC
AAGACATTGACTCTTTTACAGTGAAGAAGCTGAGGTTGGAGCTTTGGCCTCATCTCCTA

Table 2

TAGGTTTCATGCTGCATCTCTGATCTCTACAGGTAGGGAGAAGGTCTTTTCTGCTCCC
Sequence 2946

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTCAAACTAGT
GACTCCTGTCACTCTNTTCCACTCTAAAAGGGCAGGATGCAATGGCAAAGGGCACATAA
TTCTGTTTCCTTGAGTGTCTCTTAGTATTAAAGTAGGCTCAGTTTNTAAATATTAAATG
ACCCACAATAAGAGCTGCAATGATTAAGTTTGACTTGTATACCAATCAATGNTGAC
AACTTANAAAACTGTTTNTAATTTACAATGACAAGAGAGGAAAGAGGAGCNCAGGAAA
CANAACTCCAAGAATAATTAANAAGACATTGCAAGTTTCCANAAAGGAAAGCCACAANA
AATTTACNCNCTGGCCTAGGAATTTAATAGAGACAGAGTANGTCTCTCCTTANCAGTAG
AAATTATACTTAAACTAAAAATGGAACCTATTACCAATTTTAAATGTTTCAAATAAGA
AGAATNGAGATANTTTTT

Sequence 2947

CCCTTAGCGTGGTCGCGGCCGAGGTACCATTTGTCCAGGGAGCTCTGAAAAGCATCCTATG
TCGCACCCCGGAGAGTTTTACCACAACACTCTGAGCTTCTCAAGGTAAGGGCAGCTCC
TGCCCTCCACTTTGGGAGTTTGGGAGTCAGAGAATGCCGCCCGTGGAAATTAGGAATAATT
GGTCTCCTTTCTGGAGTCATGTTCCAATATTAGGAGACGGCATCGGTGTAAGCATCCAC
ACACACGTTTCTCACTTCCGGCCATTCTCTCTGCCCTGGTGAAGCTTCAAGTAATAG
AGCTTTTTCTTTTCACTCCTTATGCCAAGAACATCACACCTACGTTCCCACTCTTCAAT
GAGGGGGCTATTTTAAATGACTTGGCTTTTCTTTACTTAAATTTTGATCCTTGATTTCT
CCTTGCCTCTTCTTGTAGTCCAATGCTGATCTCTGTTATGGGGCG

Sequence 2948

CCCTTTCGAGCGGCCGCCGCCGAGGTACTGAAAAATCTCATGTCCTGGGAAACCCCTCA
GTCCTGGGCAAACTGAGACCGGTGGTTATCATACAAAGAGAAAACCAAATAAGACTAAAA
TTATGTCCAAACACTTTTCATTGTGGCTAGGAACACAAGTTGAACACCTAATAAGGAACA
CGAATAATAAAAGCTTGCATTATTGAGTGCTTATATGAGGTAAGTATTATACTATTATCT
CCATTTTAAAGATAAGCAAACTGAGACATAGTAAGGTAAATAAGTTAGTTAGTGAAGGC
ACCAGAATTTAAACCCAGAAAGTTTGGTTTTAGAGCATACACTACAATCAGCACTGTATG
GAAAGATATCTAAGAGCAGAGACAGGCAGAGATGGGAGCACTGGGGAAGACATCATGGAG
GGGCTAGATGGCTACATCTT

Sequence 2949

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTATTTTTTTTTTTTTTTTTTTTCCAA
ANCAGGAATGATCTGAGTATTGCCAGCACCCAAATAATCCCAACANACTACAATTTTTT
TGAGTAAGTACTATNTTTAAANAAATTATGGCCTATTTTATTGTCATNAACTTTT
GAACAAACCTNTTAATAATTACTAAATGCCTACAAAAATTATGTTGNTACATGGGAGT
CAAATGGATGACATGGATGCGGAAAGCANAAANANACTGGAAATNAACATTTTANTTCAN
CCTTCCAAAAAGTAAACCCACCACTTNTTCCCCTTNATCATTTTAAAAAGCCCNTNGC
AATNAACCCCAAACCTTGAGGCCTGAGGGGCGGATGCNCCAANACTTTNTTCCAGGCTNT
CATGGGATTTATCTNTTTTNGGGAAAAATGGTAAAGTTCTTGNNGGAAAAAGGCTAAAAA

Sequence 2950

CCCTTTCGAGCGGCCGNC CGGCTCAGGTACCATGGTGTCTGCACAGACCATCAGGAAGAAC
TGAAAAGTTCAAGGCAACTTGAGAAAATAAAGTCACCACCAGCAAGAAGCTGTCTAAAAA
ACCGGAAGATTATAACCCANGCACGTGGAGGAGTGTGCTAGTGAGTANAATGTTATGAAA
GCTACTATAGGTCTCCATTAGCATGCATGTGCTAGGTCCTAANGCATTAAAGGAAAGAG
GTAGAAGGATTTTGCCACNGTAGGNAACACCTTGAAGTTTCANGTTTTGAAGCCACCTTT
TNTTTTTGGGAAAGGTTGNCNCAAANGGCTTGGTAAANTTTGTTGGANGAAAGCCTGGGG
GGAAAAGGACCCTTCAACAAAAGCCTTTTCTTCNTAAATTTTCAAAGGTTCCCTTTGGT
TTCCACCAATNTTGAAGGAAATTTGCANTTAANGNCCCCCTTNTATGGAAAGGTTTT
GGATTTTCCCCCANGGGGCNCCTTGCCATTGGNCTTTGGGCCTCNTGTGGNAAANCAA

Table 2

AAGAATTCCCCTNNGGGNTTCTTCCCTTCCTTTGGGCNTTT

Sequence 2951

CCCTTAGCGTGGTCGCGGCCGAGGTACACATATCCTGAGCTATCCACAGTCCCCGAAGTC
TGCAACATTGCTTTAGGTGATAGAGACAAGATGGTCCATGCAAATGAGCTGACACAAGT
CATGTCGTGTGCAATCAAGATAGGATCCCAGACATCTTCAGAATGGTTTACAGTCACAAG
AAATAAAGTTCCAATGAAGTGGTTGGCATTGGAAGCACACTGTTTTAAATATATCTCCC
TGAAGGTATGTTTATATATTAGTGCCTGGTCAATATCTGACACTATCTGTCAATTTTATT
GCAAAAGGATATCAGGGCAATTAATAGGAGGGATCTTAGCACTACTTTAGACAATCTTTA
AAGCCTGGGTAAGATTCAATAGCTACCCAAGTGGCATTCTGACTTCAAATTGTAGTATC
ATGCAAGATTTATACTGGATTAATGGAGCCTGGAGTAACCTACATTTAATTATTTCCAT
TATGGGGTAAACAGCACTGAATTAATA

Sequence 2952

CCCTTAGCGTGGTCGCGGCCGAGGTACTTNNTTTTTTTTTTTTTTTTCTGGATTTT
TAGNANAGACGGGGTTTTGCGCGTTTTAGCCGGGATGGTCTCGATCTCCTGACCTCGCGAT
CCGCCCCGCTNNGCCTCCCAAAGTGCTGGGACTACAGGCGTGAGCCACCGCGCCCGGCT
ANAAGAGTTCCTAATACAAAGTAAGCATTCAATAAATATNTGTTGAATGAACAAATGAAT
GAATGAACCTTCTAGGNGTAAAGGGCTGNTTATAACAATCAAAATGTTTTCTTACCTAA
AAAGCGTGATTATAAATCAGCTTAATAGTTAGAAGACAAGTTTGAATTAAGGTTTAT
GAAAGGAAAGTNTGCAATGCTNATTTTTAAAGATNGCAAATTTCCCTATTTTTCAAAG
GTAGAGAAATGTTAATTTATGG

Sequence 2953

CCCTTTCGAGCGGCCGCCCCGGGCAGGTACAGTTACATTCTGTGGTTTTAAATCTTTTTT
AATGGGCTTGGTATTTCTTGCCGTTTTTCTTCAATTATTTTCTTATTATTTGATTTT
ATGACCATTTTAAAGCTACCTTTATTTAGCTTTCTGATTACAATAATGAAATGACCAGTG
TTCTCTTTTTTAAATGTATAGTAAGCAAGAAGAGTGACCACAACATCAACAGCCCCAGT
CCCTACAACAGAAATCCGACCACAATGAGCACCATGGCTGCTGCCGAAGCAGCAGCTGC
TGTTGTTGCAGCAGCAGCAGCGGAGCAGCAGTAGCAGCTGCAGCCAATGCTAATGCTTC
CACTTCTGCTTCTAATACTGTCAGTGGAAT

Sequence 2954

AATTCGCCCTTTCNAGCGGCCGNCGGGCGNAGACAGTTACATTCTGTGGTTTTAAATC
TTTTTAAATGGGCTTGGTATTTCTTGCCGNTTTTCTTCAATTATTTTCTTATTATNT
GATTTTATGACCATNTAAAGCTACCTTTATTTAGCTTTCTGATTACAATAATGAAATGA
CCAGNGTCTCTTTTTTAAATGTATAGTAAGCAAGAAGAGTGACCACAACATCAACAGC
CCCAGTCCCTACAACANAAATCCCCACCACAATGAGCACCATGGCTGCTGCCGAAACAG
CAGCTGCTGT

Sequence 2955

CCCTTAGCGTGGTCGCGGCCGAGGTACACCAAACACTTATTTCTACATAAATACCATGAT
TACACTGCAAGATTCTTTGACCAAATAAAGAAAGTAGAACTTTGTTCTGTTTTAAAAAC
TAGACAGACTATGAATCTCACCTGTAAGACATGTTATTGCTGTTGACATCATTTAC
AGTTTTTCTGGTGATACTGGTGGGTTGGGTGGATGCTGGGGGAGAAAAAAATNAAGG
TAAAAATNAACTCAACACACAGGGAATCTTAAAAAAAATAGACCTGTAGATGCCT
GTCAATATATTATCTGTCACTGNTCTAATATAATGGGAAAACATTTNCCAGCTGAGACAA
TAATTTGAATCTTGGGCATTATCACTTGGTCATTTGGNTCTTAAGCAAANNCATTTTACT
TTTGCTGAAAGACAACCTGCTTATTNATTTTGGGAGATTTAATATAATTATTTCTGGCA
TTTTTAAANNGTTCTTTTGAAGGAAATNAAAANTTTNAAAAACNCCCNAAAATGGGGCT
CAACAATGNCTTNTNAAGAAATTTTAAAAAAAACCTTTNCCAATTTTAAATCTTAAAA
GAATTAACCCAGACTNCCCTCNTTTAACCAAAAAGCCTNGNNGAAATGCCTNCTATTG
TANCAGGCNNTNTNTTTTTTANCCCCCATTTTCNAAAAANTAAGGNGNTNTTCCANT
GGTNCCCAAANTAAAAAATTANTTTTTAAATTTNGTTTTTAA

Table 2

Sequence 2956

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTAAAGTTCAGTTTT
AGTTTTTTACCACTTGATGGCAGTGATGGAGCTAGAGCTCTACCCTGAGAAGGTTAGGGC
AAGAACTCATTATGAATAACAAAAGCGTAGGTACAAAGGAAATCCCTGACATTTTAATAT
TATTCACATTTCTAGGTGATATTACTTATATTGCAAGTGACAGTAATAGGGGGAAAAGCC
TCTAGATGGAGCTTCAGTACTTTCTAAGGGAAAACATTTCTGTATCTTCCAAATGCAT
ATTTTATATTATTTTACATAATATATTAATCCAGAATGGATTTTACAAAATAATATTT
AAGGGTGAATTTATTTTANATGTAATTATGGGAAATTAATTCACCAAATTTCTAAATAA
TTTGGAATAAATGGCTNTTTAAAGTATCTTACATTTTTAAATCATTTANTAAATATTT
GGTGGAATAAAGTATTGTTTAAACCTTTTGAGGTCAAACCAATTTCTATCTAGTANTAA
AAGAATTTNCCATATCTAACCAAAGGTTTGGTNAAAAAGAANNTTTTTAATTAAGAAAGT
NCAGGGTGCTTTAAAAATCAAATANTTGGCCCTTTNAATTTAAATCTGGNCCATCTTNT
TTTTNTTATGGCCTAGGTATCAATTTCAAAAATTTGGNTTTTCCCAAGAANAACCATA
ACCTNTTACTTCCACCTCAATTGGCCCCAACTTTAAAAAAA

Sequence 2957

CCCTTAGCGTGGTCGCGGCCGAGGTACACATATCCTGAGCTATCCACAGTCCCCGAAGTC
TGCAACATTGCTTTAGGTGATAGAGACAAGATGGTCCATGCAAATGAGCTGACACAAGT
CATGTCGTGTGCAATCAAGATAGGATCCAGACATCTTCAGAATGGTTTACAGTCACAAG
AATAAAGTTCCAATGAAGTGGTTGGCATTTGGAAGCACACTGTTTTAAATATATCTCCC
TGAAGGTATGTTTATATATTAGTGCCTGGAATATCTGACACTATCTGTCAATTTATT
GCAAAAGGATATCAGGGCAATTAATAGGAGGGATCTTAGCACTACTTTAGACCAATCTTT
AAAAGCCT

Sequence 2958

CCCTTAGCGTGGTCGCGGCCGAGGTACTCCATTCTCCAGCATTTTCTACATCTGGCAAGC
TCGAAAGTGAAACCCTAGTGGGCCATCATGCAGGTTTTGAGTTATTTACTGTTACAGATG
AGGAACTGCGAAGCTACATGGCCACAGTCAACAACGACAACAGAAGGCAACATAGTATG
GCGGTTAAGAGCACCGACTCTGAAGCCAGCCTGAATCCTAAGAGCCAGAGCTGTGCAACA
GCAGGTAAATGACTTATCCTGTGCAAGNTTCTCCTTAATGGAATAGTGCCCAAGGCCA
CAATATCGCGAGATTTACACCGTAAAGCTGGAAAC

Sequence 2959

CCCTTAGCGTGGTCGCGGCCGAGGTACAGAGAAACCACAGGTTGCCCTTTCCACAGCTGG
ATAGACTTATCCAAAACGGCAGGATGATTCTGTATTAATCTTTTTGGAAAGCATGTCTGT
ATTAAGATTGCAAAACATACAGATAGCTACCACAAATTAGGTCAAATGACTGATCAAGTN
GTAACATCTGTGAGGTCAAATTCAGTTATAATAAAGTGCCTAGATACACATTTATACAA
CAGACCATAAGAGCTGAATTCCTTACAAATATCTTTATGGGCATGTAAAATTGACT

Sequence 2960

CCCTTAGCGTGGTCGCGGCCGAGGTACANAGAAACCACAGGTTGCCCTTTCCACAGCTGG
ATAGACTTATCCAAAACGGCAGGATGATTCTGTATTAATCTTTTTGGAAAGCATGTCTGT
ATTAAGATTGCAAAACATACAGATAGCTACCACAAATTAGGTCAAATGACTGATCAAGTT
GTAACATCTGTGAGGTCAAATTCAGTTATAATAAAGTGCCTAGATACACATTTATACAA
CAGACCATAAGAGCTGAATTCCTTACAAATATCTTTATGGGCATGTAAAATTGAC

Sequence 2961

CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTGGCTGGTTGTTTTACCTATACAAA
TCAAAAGGCTATTTTGATTGTCTTCATTTCCCTTATAAATTAGGTTGGTGTCTTTAGT
CATTTAGGCTAAGTTTTACTATCTGATTCTTAACTTTTCTATTGTAGAATGGTGTCTGCA
TGTGGACTGTCTCCCGAGTGTCCCACTGGATGTTGAGAGAATTTATGTGAAGGTCACGT
CATTTAGCATTGAGATGCTGTGGTTACCTTCTTCATTTCTCCATAATATGCA

Sequence 2962

CCCTTTGAGCGGCCGCCCGGGCAGGTACTATTTTGAATTGCTCTAAAGGTTTGAAAG

Table 2

GTTTCAGAATTAAGTTGGAAAAAGAATCAAATAAAACATAAACACCTGGCACCCAGTAG
 ATGCTATGACAGTTCACATTATGGCTCCAGTGAACAAAAGGTCTACAGAAAACCTTTCCC
 CCGTGCCTGAAAAAATACATGAACCATATGAAAGTAAATGCCACCAGACGGTCCTGGCTTC
 ATGAAGCTTATATTTTCAATCAGAAGGCAAGGCAAGAACAGGAAGCAGCTACAGAAACAG
 TATAGTTTTGGTTTCANAAAGCCTACCTAGG

Sequence 2963

TGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACAAGACTTCTGTGTGCTTTCC
 TGTGTCAAACATGATCAGAGGATCAGTGTGTGGAAAGTCCCAAGGTTTGGGCTGGGTGGGA
 AGTAGGAAAGCCTCATAAACACTCAAAGCTGTGAATGGAAATTCACATAGTATTCTGTGA
 TCAGTAGGTAAATAGTAACACCCAGGCCAGGAACGTGAAGGTGAAGTGAGGTGAGGGAAA
 GGAGACAGAATACCAAGAGAAGCAAAACACTTTAACTAAAGGGAAGCGACAGACCTCCTC
 CCTCCAGGAGAGGGCCAGCTTGAG

Sequence 2964

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGAGGTACACACAGGAAAGAAGCAGACC
 ACGAAATGAACCTCGGCTGTACCTGCGGTGGGCGCACTAGAGGTCTTTTGAACCTCTTC
 GGCTACCGTCGCCGCGTTCTCGCTGTGCACTCTTATTCTGCGCCTGCGCGCGGCTACAGC
 ACGGTTTCGTTTTCTTTAGTCAGGAAGGACGTTGGTGTTGAGGTAGCATACGTATCAA
 GGACAGTAACATCCATGGCTCCCGAAGTTTTGCCAAAACCTCGGATGCGTGGCCTTCTGG
 CCA

Sequence 2965

NATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGTGGACTGGGGA
 GAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAG
 AGCCTCACAGCAACTAAGACCAACCCATCTCTAGAAGAAGGAATGTCAAATGTCATGT
 TCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAG
 GAGGTGAATCCATGCATTAATCTTCAGCTCACAAGGAAATACTACATAATAAGCAAGAC
 CACANACTNAAGAACGGACATTAATTGGATTTTTTTTTTGCCTGGCCTGAAAAAGAAA
 NGTACCCT

Sequence 2966

GATATCTGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTATTCACC
 TCANATGGGTTCATGTGCCGACATCATAAGGGGATTGAGGGAGGCATATCAAACATGTGA
 ACATAAAAACCCCAATCATTATGCTTATCTATTACAAAAGGATCAAGTTTAGGCTCTTAA
 AGCTCCCAATCAACTTGATCAAAAACAATAAAAGATTACTGTTTAGTTTTTCAAATATC
 TGAGCTACTAAGAAACATATTTTGGCACTACATGAGTTATTCTATACTAATTATTGTGAG
 CCTATAAGCTCATTAAAAATTTTAATTTTCTTGCAGACCTGCAAAATTTG

Sequence 2967

TTTCTGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACGTCCACCCCTGCTG
 GGTCACTAGCTTCTGGGCCAGTGTTGGGGGCAGAAAGAAGGTCAGAGGCCCTGAACAGA
 TAAAGCAGGAGGTAGAGAGTGAGGAGGAAAAACCCGACAGGATGGATATTGACAGTGAAG
 ACACAGATTCAAACACATCTTTGCAACAAGGGCTAGAGAAAAGAGGAAGCCTCAGCTGG
 AGAAGGACACAAAGCCGAAAGAGCCCAGGTATACTCCCGTGAGCATCTACCAGGAAAAGC
 TGCTGCTCAAGAGGCTGGAAGCTTGTCGCCGGTGCTTGATCCATGACTTCCGGAAGCTCCG
 GAGACTTGAACGCAAACTGATTGTGACACAAAGCCAAAANGGGATAGGGGGATTACCAC
 TTTT

Sequence 2968

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGGGTCTAAATTGAAATGGTGACAGTG
 GGACCTGGTGTGGGGGTTGTTTGTGTGTAAGAGACACTCAGAGAAAGAATCCCTGCTAT
 CTGAGAATTTAGGAGTACAANATNTTGGANCAGACGTAAAGAAAAGTTGCAAGAAAGAA
 CAATAGAAGACCACGAACCTGGTGATTGAANTGCTATCCAACCTGGGGGATAGAAGAAGAAA
 ACAAACTATNCTTAGAAAAAATTATGCCAAATATGAGTCTTTNAAAACCAATGTATT

Table 2

TTTTTNCAGAGCATATGGTATCTTTTTGCAACTGAAACCNATNGTGAAATATCCCCCACA
CAGATTTTGCCANATGTTTCTGAGTTCAAGCCCCATATTTCTGNAATTCATGGGNTTCTT
TACCATGCCAAAAAGAACCNTGGNAAAGAAAGTNTTGGGAAAAAAAT

Sequence 2969

TCTGCAGAATTCGCCCTTTCGAGCGGCCGTCCGGGCAGGTACAAAGTTGCCAAAGGCCTG
CATCCATACCATCAGATATTATGCATCTTGCTTTTCCACGATCAAATTCTGGGTCATGAA
CCAGATCTTCCATGTCTTCCAGAGTTTACGCTGATATTGAGTCATATAGGCCATGTAGC
TAGCAGCTCGGGCTGCAATGGAGGCAGCGTGGTAAACCTACAACCCATGACCTCCATTT
CTTTGAGGTAGAATCTAGAGGGGATGTTGTGTTTCTCTTTTGCTGTGGTCTAATGCTT
CTACAATGGGGCCTTCAGCTGGTGGGT

Sequence 2970

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGTANTCTCAACTGGTGGTGTTAATATTGCT
ATTNGNAAACCTGTAATGTGATNGAACTGTGGTCATGGCATTGTGTTTTGGAAAAAATA
TGAAACAACCATTTGATGCTTATCATTGGATAGATGTTTGNTTTATTGTCATGCTTTAAG
AAACTACAGCTATATTGGAGCTTACAAGTTTGGAGCTGGCAAAGAGCATGCAAAGAGGG
GATGCTATTCAATTATGCTTGTATTATTTCCAAATTTGTCCCCATTTGTCATTTTTTTCC
TAAATTTGAAAAATCATATCCCTTTTTCATGGCAAAGACTGATAATCACATCTAAAGT
TTAGGGGGAAAGATCTGTATTAGTAATTGTATTCACTANAAGGGCTTCCAAGTGCCTGCT
ACTAAGTCATATAACATATTTATAAAGGAAATATGAAAATGGCTTAAACATGGCTTAACA
TATTTCTTTTTGGTAAAAATATATTTTTTAAATCAN

Sequence 2971

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTATCCAGGCGCTGATCAGCGGTATTG
AAGCCCAGCTGGGCGATGTGCGAGCTGATAGTGAGCGGCAGAATCAGGAGTACTTGTGT
TGCTTTGTTGGAGGGTGTGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCT
TNCAGGCCACTGTCACGGCTCCCGGGTANGAAGTCACTTATGAGACACACCANTGTGGCC
TTGTTTGGCTTGA

Sequence 2972

TCTAGATGCATGCTNGAGCGGCCCGCNAGTGTGATNTTATCTGCAGAATTCGCCCTTAG
CGTGGTCGCGGCCCGAGGTACTCCNACTTTTNNTTTTTTTTTTTNGGTCTCAAAGACA
TTTATGAGTGAAAGAANCCCGTATCGAAAGCTTACATGCTATATGATTCCATCTGTGTGA
CATTTTCAAAAAGACAAAAGTGTAGTCATGGAGAANAGTGGTTGCCAAATGTTATATGGG
GGAAGGGGGTTACTNCAAAGGGATAACANAATTTTTAGGGTGATGTTNCTGCTGGAATC
CTAATTGNGGAGATGGTTACAGGACTCTACAAATATGTTAAATTCACAGAACTGTNCNC
CAAAATTAANAAGTCAAAATTTCTGTATGNTAATTTAAAAAATAAAAGAAATTTAAAAA
GGCAATTTGCCATTTAAATTTATAGTTAACACATTTAGAGAGGCTATTTA

Sequence 2973

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAGATTTATTGCCTGCCAGGATTGGAATTCA
TGCAGAGAGGAAGGATTCATGAAAAAATAATCAAAGTCAGGAAAGTCTTTTCTGTAAT
CTTGTCTCATACAGTGAGTTATTTTGTCTGGGTAGTTTACGGGGATGTAACCTCTCAG
TCATCTAACCGTGATGTAGTAAAAGTCATTTGCAGGAAATGAAACTCCACTTTGTTACTT
TTTTCACTTAAAGGCTAATCTGATTAGCTTTAAACATTTGTTTCATCTTTTAATTCAGTA
TTTGTATGATGCCTATGGAAGACATATGGATTTAAATAGAACTTGGCTAACCATCTACCA
ATAAGAGAAAGTGAGATGCTAAATCAGAGAGGCAGGAAAGTCTATTTTCAGTAAAAGCTAT
TTTGACCTGAAATACTGTAGGCAGTCTTACAGAGTATTTTAAT

Sequence 2974

CCCTTAGCGTGGTTCGCGGCCGNGGTACTCCAGCCTGGCTGACAGAACAAAGACCCTGTCTC
AAAAACAAAAACAAAAACAAAGTTTCTGTTTGTAAATCATCAGCTTGTGATAGAAACT
CACAGAATTGGAGAAATATTTACTATTCCTTTCTTCTGCTAATACCACTAATCATTTTC
TATGAAAGACCTGTTCTTTTTTGAACCTATGAATAATGTTAGAAATGGAACATGATGTT

Table 2

TTAAATGTATACATAAACCTTCCAAATTAA

Sequence 2975

CCCTTTNGAGCGGNCGCCCGGGCANGTACCTGAGCCCAGTTCTCCACCTGGCATGGCTC
TACAACCATGAAACCCTGATGCCCTCACATGCNTAANAAGCCCTGACAAAGTGGATGTGG
ATATNTNTNTCACTCTGCAAAATGAGACTNACGATGACCTGCAATGTGATGCTTCTTTGG
GCCTTGAAAAAAAAAAAAAAAAAAAAACCACNNAAAACCACCCAATTGCTTTAAGGTTGC
CTGANTCANAGGGGCACCTTGATGCTNTGGCCAGGGACACTGAAGACTGAATCACCTANCT
TGCCTTTGCATAAACTATTACTAATATGTGNTTTCATTTCTGNTTTTTTCCAACCT

Sequence 2976

CCCTTAGCGTGGTCGCGGCCGAGGTACAAATCTAGCTGAGAACAAAGAATTTATATTCCA
AACAGGATAAAAGTATGAAAAATGCTTTATTACCTACCTAGTATTTTCTTCCCTCCGTT
TATGACTTCTTTACATACACGTTTTATGGAATTATTCAGGCAAATGCCTTCTTTGGGAC
TCCTAACTCTGTGTGCAGCATGGTTGAAGAATGGGATATTCCTGTTACAGATACATCAGG
CACATCACCAACTCCCAACGAATCAAATCCAATTGAATGCTTTTAACCCATAAAATTTTCA
GGAAACAAATTTATCATCTTTGCTAAATTAGAAGACACAATGGGAGCCATATGGTAATGG
TGACCATATTTCCCAAATTATAAATTTATGGCATAGAACCTGAGGAATGCTCATCATGGA
AACACAGGAGTGAAAATTTAAATGCAAGCAGTGTGGGCCCCATATTGCTCTATGGCTAC
CATGGCTGCCTGTCCCATT

Sequence 2977

CCCTTTGAGCGGCCGCCCGGGCAGGTACAACATCTGCTGTTTCAATAGGCTGCATCCAT
TAGAGCTGCTGTTTCACTGTGTGTTTGTGCCCTGAGTTGGAGGTGGAGGGGCAAAGACAGC
GTGGGCCGTGATGGCCACACACAGGGCATGCGTGTCTATGGGGACTCAGACCCTGGTGGAG
ATAGTATGGTGCAAAGCATGGCCTCCGCACTAACCTGGGTCTCACCTGGTGCAAGGTG
GGAAGCTTTCCTGGCTCGCANAAGATCACTAATGTGTCCCTGTGTAGGCTCCTCCTAGGT
TGAATCAGCTGAGGCAGCACCTGATGAAGAACTCAGGAAGACAGCCCCACATCTCTAAG
GAGAAATGAAGAAAAGCAAATCCTGCTCTCTACTTTTNACCTNCTGCTNCCCATGTTT
CCTGCCCTGGTTTGCTGTTGATCTGTTGATT

Sequence 2978

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTGCTTGGTCTCCCCCTCCCTGGAAACGTTCT
CAAATTGGTAAGAAAGGCAATTACAGGGCTCAGCTCGTTTGTTCACCTGTCAAAGCA
CTGTCCCTTCATTGTCTGATGTCCAGTGTCTCAATACCATTGTCTTCTTATTTATCTGGAT
TCTGGGGTTGTTTTCAGGTGGGAGGGTAAATTNAGTCCCTGTTACTCCATCTTGACTGAAA
GCAAAAGTCCAGTTTCTTTAGTTTGNTCNCCCCTTATGNACAAGAACTNAATCCCTNCNA
AATGAATGGGTTANNATGANTTTCCCTATTAGGGTTTTTANCTNATTTGGGCCAAGGATG
NGTGNAACCCAATTGGGTTACCCCTTTNCNTTCATGNACACCCTGGACTTGANGTTNACC
CTCTNAATATTNATGGCAGNAATTCCTGCNTGANATTGTTAGAAAAA

Sequence 2979

CCCTTAGCGTGGTCGCGGCCGAGGTACGGGCATTGAATACTGCTGACTGGCTTTGGAGAA
TGATTAAACAAGAAATATGTTATAAGATAAAATGGTAGAAACAACATAGTTTGAGTATG
TTCCCCAAGTTTCATATGTTGAAAAATTAATCCTCAAATTCATATGTTGATGGAGTAGAC
CCCATGATGGGACCCAAGGCTTTATAAGAAGAGGAGGGACCTGAGTTGAAATGCACTTTT
TGCCCTTCCACCCTTCTATCACAAATTTAGGCAGCAAGAAGGCCCTCACCAGATGTTGAG
CAAATTCGAATGTCANGCTCTTGGAATCTCCCAATCTCCAGAACCATGAGCCCGAATGTT
TCTTTTTNAAATNAAATTATNCAGTCCCGGTGTTTTTGTACAGCAACAGAAAAATNGAC
TAAGACCAAGAATTGGAATAAAATTGGAATAAATGTTTCATGTTATGGGTTTGGATACCA
ATGGGGGTCTGACCAACNTTTTATTTAATGAATGCCCCATCAAATNTTGAAAAGAACCCA
TTNTNGAAAAGGTTTTTTATTCCTTNGGGGTTTCTATTCTTGNCTTACCNGCNTTCTTNA
TAAAAAAATTTTGGGCANTTCCCCAAAAANCCATTTCTGGGTTTNCATTTTNAAAAAAN
TAAATTCAGGCCCTTGGGCAAAAATNTTTNCCTNGNTTTTAAGCCTTTTTTCCAAGGTT

Table 2

AACTTTTTTTT

Sequence 2980

GATATCTGCAGAATTCGCCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGACACATTCA
GAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCA
GGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACC
CAGCTCTCAGAAGAAGGAATGTCAAATGTCTGTTCAATTTTACATTTCAGTGCCTGGAA
TCTTTTCTTACAAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTC
AGCTCACAAGGGAATACCTACATTAAGAAGCCAAGACCACAGACTCAAAGACGGACAT
AATTGGATTTTT

Sequence 2981

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGACGCCAACATGGCGGCGCCAGTGGC
GTCCACCTGCTCGTCCGCANAGGTTCTCATAGAATTTTCTTTCACCACTCAATCATATC
TACTTACACAAGTAGTCAAGCAGTCAACAAAGAAGAAATTTCTTTTTTCGGAGACAAAGA
GATATTTACACAGTATAGTTTTGCCGGCTGCAGTTTCTTCAGCTCATCCGGTTCCTAAG
CACATAAAGAAG

Sequence 2982

CCCTTTCGAGCGGCCGCCCTGGGCAGGTACCTTCACAATACATTGGCAAATCTGAAGCT
ACAAAGCACAAGAGACCAGAAAGCCAAGTAGAAAGCTATGAAAAACCATTTTTAGGAAGC
TAGTATTAGAGTTCAAGACCCAGCAGTGAGGACAAGAGGCTTTTGGTGAAGTGTCTGGGGA
TTTCATTTGAAAAGTCTGGAGATTGGTGCCTTTTAAAGAGGGACAAAACCTAAGGGTAAGT
GAACTTTGGTTCTAGGAATGGCAAGATCAGCAAGAAGATCACCATTGCCAACTGTAGCCT
TTACACAATGTCTAGCAGCCCAAATTTTCAGTCANGCNTATTTGAATTAAGTTTATTGTC
TACTTTGCCAGCTTAAGGAATGTATTGAATGCTGGTCCTTTCGNANNATTACCATTCAA
TATTGGGAGGGTTCTAACAACTTTCTTTAAGGGCACCAATGGTCAAAGCNTTTTAAAGGT
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AAGAAAAGGGGGCCAGAACCAATTATGAAATTTATTACTTCCNNANAATGAATTCAGGG
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TCAAANGAAAAATTNNAATGACCCGGGGGGGANAANNNAANNTAAAGGGGGAAA

Sequence 2983

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTCTTATTATCCTTTTAAATATACATGATATA
GAAAGTAATGACTACTCTTTTTTCTTTTATTCTGGTTTTATAAATTTTGTCTTCTCT
ATTTTGTGTGGCTGGACTGGCTTGGATTGAGGATTAGAAATTTCCAGATCTTTTCAA
GAATACAATGTTAGTTTTGTTGATTTTTAAATTGTTTTCCAATTTTCCATTTCAATGATT
TTCTCCCTTTTATTATTTATTTTATCTCCTTGTTTTATGTTTAACTTGGNNTTTTTTC
TCTAGTTGCTGAACACTNGATTTTACCGTCTTTAATATTTCCGAATATATGCACTTAA
TGGCTATACATTTTCTCACTAAATCATTACTTTTACTATTATTCTACAAAACCTTTTCAT
TAAGTTTTGTTTTAACCANATTTNGTTTTAAGTGGGTACCCTATTTTTTAA

Sequence 2984

CCCTTGAGCGGCCGCCCGGGCAGGTACTTTGGCCACCGTCCCCGGAATAACCGCGCCTG
CCTCTCAAGATACCCCATCCTCTCCACGCCGCTGCCGCTGCCGCCATGCAAGGGGAGGAC
GCCAGATACCTCAAAAGGTGACGACTCCCCAAGGCTCTGTCCTACCCTCCTTGCCAGGGC
CCTGAAGATGTTCTTGGGTTGGCTGTGAGATGTCAGTGGGCAACGCTAGTTTAGCAGACG
GGATGGGAAGCAGGGAGAGAAGTCACCGAAAGGAGAGGGAAAAGGTGAAGTGGAGAAAA
AGGAGAGCTCTGGGGGGGTTTCAAAGTCTTTGACCTGACTCGGCGGAGCCCTTGACAGC
ATTTGAAAGATGGTTTTCTTCGNTACANCACCTTATTCCAAG

Sequence 2985

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGTGGCTGGTTGTTTTTACCTATACAA
TCAAAAGGCTATTTTGATTGTCTTCATTTTCCCTTATAAATTAGGTTGGTGTCTTAGT
CATTTAGGCTAAGTTTTACTATCTGATTCTTAACCTTTCTATTGTAGAATGGTGTCTCA

Table 2

TGTGGACTGTCCTCCCGAGTGTCCCACTGGATGTTTCAGAGAATTTATGTGAAGGTCACGT
CATTTAGCATTGAGATGCTGTGGTTACCTTCTTCCATTTCTTCCATAATATGGCAGCCAC
ATCTATGTGTGAAGAAATGTAATAAGATAAAATTTCTCTGGACGCATAATAATGTGAGAA
AGATTGTCACATGTCCAGCAAATTTGTTATTAATATAAATTTGGTTACTTGGCAAGCTGA
GAATTTTGCCAGATGTTACTCAAAAATTTCACAATGAAAGGAAACAGGGAGTCATCTTAT
CCCTGGG

Sequence 2986

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGGAGACACATTTCAGAGGTGAGCCCAGAG
CGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTTCATGTCCAGGAGCAGCCCCACGC
CCTGTATGGTCGGTGTCTAGAGCCTCACAAGCAACTAAGACCAACCCAGCTCTCAGAAGA
AGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTTGCCTGGAATCTTTCTTCACA
ATTGAAATGAAATGTGCTTGAAGGAGGTGAATCCATTGCATTAATCTTCAGCTCACAAAG
GAAATCTACATAAGGAAGCAAGACCACAGACTCAAAGACGGGACATAATTTTGGATTTT
TTTGCCATGGCCCTGGAAA

Sequence 2987

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTAG
TTGATTATATTATTGCATTAAACANAACAATGCCTGCTACATAATAGGAATTCATCTG
TTTAGTGGATCGGNGAATAATANAATGTGATTGATTTTGAAAGACATAAATGAAAAAAT
AGGNGGATCTTGCTACATCTTACTAAATCTGATAATTANATTTTGGTTCTAATCTTT
CTTCTTATGANAAGATTAGACAGAATTNTTCATAAAGCACATAACAAATAATGTTTCAT
ATCAGGTT

Sequence 2988

ACTTTAAGAAATTATAGCAGTTCTTCCACCAAAGGGAAGGGCAGGTAAGACCCTGGTTA
ACTGATTAGTGAAAAGGTTACGCTGCCTACACTTGAAGTTTTGAGTTCGTGCCTGAGACC
CTGAGGCCTGCAGCATTGCAGCCATAGGGCAGGATTTCTCAGCCTCATCACTGCTGACGT
TCTGGGCTGAATGAGTTTTTGTCTTGGGGCTGTGCTGTGCATAGCAGGGTGTGAGCAGC
ATCACTGGCCTCTACCTACTACTTGTGCTAGTCAAAACCCC

Sequence 2989

GGTATTCATTCTCCAGCATTCTTCTACATCTGGCAAGCTCGAAAGTGAAACCCTAGNNGG
CCATCATGCAGGTTTTGAGTTATNTACTGTTACAGATGAGGAAACTGCGAAGCTACATGG
NCACAGTCAACAACGACAACAGAAGGCAACATANTATGGNNGGTATAANAGCACCAGCTNT
TGAAAGCCAGCCTGAATCCTAGAGCCAGAGCTGTNCAACAGCAGGNAAAANTGACTTTAT
CCTGTGCAAGTTTCCTCCTTAATGGAA

Sequence 2990

ACTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNGGAANCTTTNNNANCTTTAATGGANN
NAATNNNAATNGGGTNNCAAANTNTNTNANANNAAGGGGNTCCCAATGCCCTCAAATT
TNAAAAANTTTCCCCNTTTCCNTTTTAAANGACTTTTNGTTAANTTACCCNAAAAAAA
AAAANCNGGGCATTGANNNTTGGTTNNCCTTTTTNCCCCAAATTTNCACCCCTCCCC
NTTTAAAAAANNAAAANNTNGAAAANGGGCCCNNTTTNTTTTTNGCCNAAAAA
AAAAAAA

Sequence 2991

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCAAAGAATTCCTGCCTCAGCAGGTTCTGAGA
GAAAGTAAAGGGCCAGTCTCTTCCAAAATGAAACAAGATACAGCAAAGGGAATATACTTA
ATTCAGAAAAGCAGCTTGGCAAGACTGAAAGGAGCCTGAAGTCAAACTCAGAGACTCCC
AGGTCTGATTTATCCTTCTCTCCATTGGCTACATGTTTCATAAGCTGAATGTTCCAGTCAT
GGGAAATGGACGTGAGTTCAAAATGTGCTAGTGTGACTGTAAATGCTTTGNCCTCATC
TTTCTGATTCCAGAGACTAAATACTTATATGGAAATCAGCCTATTAATAACATCTTATCG
TAAGGGATAAATTACAGTGCCATCCATGAAGCAAAGGGACTGGCAAATTATCTAGTGACT

Table 2

ACAGCCTTTTAGATAGGGGCAGGAGAAATAAAGGGCAAC

Sequence 2992

GCCGCCCCGGGCAGGTACCTAAGGCTTTTCACGGATTGCATACTCAGGACAATTTTCAGGA
AATTAATTTCCAGATCCTCCATATACACTATACTCTTTCCTTAAATTGATCTGCTGAGAA
TGAGTCTTTGTTCACTACTGTTTCCTTTCCACAGAAAAAAGATATAGGCTACCCATCCCA
AATCTTAATACATTGCTCTTAATGTGACACCAAAACCTCAGATGTAGCAAACAGAGGAA
AGGTTTGATGATTAATCATAAAACCATAGAGCCTTGGGCCTTTGCCTCTTATACACATGT
TAAAGCTGATTATGATGTTAGATAACATAGAAATTGGGTGNTTGGGACTCACAAATAGAT
TTTCAGAAITCAGATGTATGATAAAGTGAAGTGATGGTAACAATTTTTTTTTTTTAA

Sequence 2993

GGTACAGTTTCTGAGTATGGGAACCTCCCTCCCCAAGTGGTGGGAAGTTACAGTTAACTA
CAGCTTACTCAACTATCACTTCCAGAGGTTTAGTGTTTTAATATGGGAAAGAGGAGAAA
TCTCAGGTCTAATCAGGGTTCTGCCCATCAGCTTTTCACTGAAACTTTCAACTGTGTTTT
GTTTTTGTTTTTTTTCCATCTTTCAAGTTTCTAGCTGTGTTTGCCTTCTCCCTCCGCGT
TCCCTCCTCTTTTTTGTCTTTGGTCTCCTTTCCAGCTTCATGTCTCCATGAGTTCAAGC
TGTACCCTGCATTTGGGAACAGAGAGAAAAACAAGAATTTGCTTGAAAAAATAGGCC
AGGTGCGGGTGGCTCCACCTGTAATCCAGCATTTT

Sequence 2994

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGTCTTACCCCCATGATCAGTTTAAAGA
AAATGTGTAGGTCAATATACAAAGGAATACATTATACTTAAATTATTCACAAGATTTTGA
TTAAAAAGTATGGTGTTATAAAGGAAAATATATTACTTATATTGNTTCCTAATATTATAA
AGTACGANGAAACAACAATCTGATAATGATTGTGAAATCACCANGGATTTTNTCACTTAT
TTAATTTATNTTTATCTCTTTTTTTAAGGGCCCCCTCCTGG

Sequence 2995

ACGCGGGATGAACAAGCTCAGGAAAAATCTAAGAAGGCCTTAATTTCTCACCTCTAGCTG
ACTTTCAGGCTACATAAACAGGAATTGAATGATAAGGTAGAAATGTGAACCTCCCTGACTG
AGTGTTGAAGGTATGCCCTACACATCCACAAAACCTTGAGCAAAGACTAAACTAAATAA
GCAGAGACTTAAGTGGCCACACATAAAAAAGAATACAGACTGCAGAAATGTGTTCCCCCAA
AAAATCACTAAGCAAAGAGCAGGAGTAACAATAAACAGCANCAATAAATNCTGCANAAAA
GGAGATTTTGGNTTTTTTANGAGNTGCCCTTNTTTTTTTTTTTTNAANCNNCTTTTTTTTT
TCAACAAAAAATTTTTNGGGGGNCTTGCCAAAAAATTTTTTTTTTTTTTTTTTTTTT

Sequence 2996

ACCATGGTGCTGNACAGACCATCAGGAAGAACTGAAAAGTTCAGGCAACTTGAGAAAATA
AAGTCACCACCAGCAAGAAGCTGTNTAAATAACCGGAAGATTATAACCCAAGCACGTGG
AGGAGTGTGCTAGTGAGTAGAATTGTTATGAAAGCTATTAGAGGTCTCCATAGATGCAT
GTGCTTAGTCCTAANGNAGAAGGAA

Sequence 2997

NAGGTACCTGTAAAACTCTTATCTAAATTAAGCTATNAANTTTATTAANGGGTGGNANTN
GGGCCAAANNNNCCCATAAAAGTTANCTTTTTNTNTAAAAAAGGAGANTNACNCTTTT
TNATTTANTGGTTGNTTACNCTCNTANAANNAANATNNGTNCNCNANCAAACGNGTTTA
CNTTGTNTTTTTTATGCGGAACNACNNTGGAAGNCTACCNCNNNNATTGGGAAATGNAG
AAAAAAGGTANANAAAAATTTTANAAAACCCCTAANNAACCTTTTGCCANGNAAAGAAA
AATAAACCAACCTAACCAAGAAAAAAATTTTTTTTGTNGAACCCCTGGGGGGGGGT
TTTTGGGGCCANAAAAGGAATTTTTCTTTTAAAAAATTAATTGGAACCAACCCCAAGGA
AAAGNCCACCCAAGGTCTTATTAATAATTTGGGAAAACCCGTTAATTTTAANGTTTTTA
ATTTTGGGGGGTTTTAAATTTCCAAAAAATNNGGTAAAAAACCCTTTTCTTGGCT
TTCTTTTCCAAAAAAGGAACCAAGGTTTATTTTANAAGCAAGGAAATTTATAAAAA
AAAGGNAAGGAAAAAACCCTCACCAAGGAATTTGGGAATTAATTTCTTTTTTGGTTAA
AAGGCCCATTTGTTATTCCTNGGATNCAAAAGGGGGACCGGTTGGTTAAGNAAAAATTA

Table 2

ATTATAAAAGGGAAACTTNTTTGGNAAAAGGCCTTCAAATTAGGTTNA

Sequence 2998

ACTCAAGCTTTGGCTTTTCTGAACCTTCCTTATTTTCAAAAATGTCCCCAGCCCCACTT
CCACCTGAGACATTACACACCCCCATTTCTCTTCCAGGAAGGCTCTTATGTGCGCTGGG
TAACTTACTCTTCAAGCTAGTGACTTTTTTCCAGAAGCTTTCCTGATATCTTCCATT
TCACCCCACTGCTGACTTATTAATAATTTCTAGAATTTTATACTTTTACACTACATTCTCT
GTGTTGATTCTCTTATTCAGGGTCTGCTATTTAATTTTAAAGTTCCTTGAAAATAGAGA
CAATTTCAATTGTTTTATCAGTTTGGTCCAAGTATATAACATAGATGAAAAATAGATA
TTTTGTATTATATATATTATATAAATAATTGTTGAATGAGATGAATAAACTATAGTGAGA
AGATGCTAGGCTTTGTTAACCATTTCAAAAC

Sequence 2999

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTGCATTTTCAAATGACTTTGACTATTGCC
AGAGTCATTATAGACCTGCCTATGATGTAGGAGTTTATTGTATCTAGTGGAACATACC
TGTTTGTGGGGCAGAAGCTTCTGTTCCATTATCCTGATTTTAGACACAGCATTTAACTT
TTCAGGTTCAAGTCCATATGTATAAAGTAGGGATAATAGTGACATCCTAGTGATTAAGA
ATTAAGGTGTTATTATTTCTGTCACTGTTACTTNACCCTAATTTTGTTCACACTCAT
CTCTGAGCTTTT

Sequence 3000

CCCTTTGAGCGGCCGCGCCGGGCGAGGTACGCGGGTCATTTGGGCGGTCAACGCGGGTGGA
GAGGCGCATGTGGACGTGCACGGGATCCACTTCCGCAAGGACCCTTTGAAGGCCGGGTG
GGCCGAGCCTCAGACTATGGCATGAACTGCCAATCCTGCGTTCCAACCTGAGGACCAG
ATCCTGTATCAAACCTGAGCGGTACGCGGGGGTCCGGGCGTTACCATCGTCCGTGCGCA
CCGCCCCGGCGTCCAGATTTGGCAATTCTTCGCTGAAGTCATCATGAGCTTTTCCAATC
CTGATGAAAAGGAGGGAACCTATCCCTTGGTGGTGTTCATGACTGTGGCGGCGGGTGGA
GCCTCATCTTTGCTGTGATTCTCTTTGAAAACCGATGTGATCCTTGATCGAAAAAA
AAATCCAGAACCCTGGGAAACTG

Sequence 3001

CCCTTAGCGTGGTGC GCGGCCGAGGTACCAAGTCATATTGGATTAGGGCTCATAATGTCATT
TTAACTTAATTGTCTGTCAAAAAATTCTGTCTTCAAATACAGTCACATTTCTAGGGTTTA
GGATTTTAACATATGAATGCAGGGGGACAATTCAGTCCATAATACTGTGGTTATCACTTT
TTGGTCTTAAGATGATTGCTACAGCTCTACAACCCACATCTATTATAAAAAACAAAAAGAA
GAGAGAAATAAATTGAGAGAGGAGAGTTCTTGATCACTTTGCAGGACGTGCGACAGGGG
TGTTGCTCATCTGTTTGGCCACCACACATTCTCAGGCCCTTTGCAGGACAGGGAGCATGC
TGACAGGCAGGTGCAGCAACCCAGGCGAGTGCCTTGGGGCTCCAGCCCCAAGGTAGGATC
TAAGGGT

Sequence 3002

ACTTTGCTACACGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTACGCTAG
CTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGA
ACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAATACG
ACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCA
TCTGCCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCC
TTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCATGGT
CCTGGAAGTTCCTTATGCCACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAAT
TCCTTGAAATTTGCAAGTTGGTCTGGGTTCATGTCTAAAGCTTGTTCCAGCTATCCAGAA
TGCCCAACAAGAATTCAAC

Sequence 3003

CCCTTTGAGCGGCCGCGCCGGGCGAGGTACCCTTCACAATACATTGGCAAATTTCTGAAGCT
ACAAAGCACAGAGACCAGAAAGCCAAGTAGAAAGCTATGAAAAACCATTTTAGGAAGC
TAGTATTAGAGTTCAAGACCCAGCAGTGAGGACAAGAGGCTTTTGGTGACTGTCTGGGGA

Table 2

TTTCATTTGGAAAGTCTGGAGATTGGTGCCTTTTAAGAAGGGACAAAATAAGGGTAAGT
GAACTTTGGTCTAGGAATGGCAAGATCAGCAAGAAGATCACCATTGCCAACTGTAGCCT
TTACACAATGTCATAGCAGCCCAAATTCAGTCAGCTATTGAATTAAGTTTATTGTCTACT
TGCCAAGCTAAAGAATGTATGAATGCTGTCTTTAGAAGATAACATCATATGGAGGGTCTA
CAACTTCTTAGACACAATGTCAAGCTTTTTAGTAAATATACTAGACATTCAAGAGATG
GGATTGAAAACCAAGAGAAAAGGGCNGACCAATAAGAAATATACTCACAGATGATTCAAGG
NGTGGAGTTAAGACCNAGGACTTGAATAACAATGATAATTGTTCAAGAAAATTNAAGAC
NGGGGGAAAATAATTAAANGGGAATTT

Sequence 3004

CCCTTAGCGTGGTCGCGGCCGAGGTACNGATATATAACAATGAGGTGCTCCATCAACCGC
TTTCTGAAGCTCAAAGGAAATCCAAAAGCCTAAAAATTAATCTCAATCATGCAGGAGATG
CTCTAAGAGAAAATACATTGGTTTCAGAACATGCACAAAGAGACCAACGTGAAACACAGT
GTCAAATGAAGGAAGCTGAACACATGTATCAAACGAACAAGATAATTGTTGAACAAACA
CACTGGAACAGCANGGAGGTCTCTTAGATCAAGAAAAATTTTCAACCTTACAAAAGCA
AAAAATTATGTTGGCTTTTCANACCAGNCAANTTAAGTNTCATGCCACATAAGGAAAGGN
TTGGACCAACANAAAGCAAAGGATAACCANATTGGATATTTCCATTTTTTTCTTTGAAGA
AGGGAAAAAATGGCCAACCATTCNTTCTCNCCTTAAAAAAGGAAGAAAAAATTTGGAG
GGGAGGAATATTTTTAAATTTACNAAATTAACCCCATTTTTAAAAA

Sequence 3005

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGTCTTACCCCCATGATCAGTTTAAAGA
AAATGTGTAGGTCAATATACAAAGGAATACATTATACTTAAATTATTCACAAGATTTTGA
TTAAAAAGTATGTGTTATAAAGAAAATATATTACTTATATTGTTTCCTAATATTATAAG
TAGAGAAACAACAATCTGATAATGATTGTGAATCACCAGGATTTTTCACTATTTAATTTA
TTTTTATCTCTTTTTAGGGCCCTCCTGGTATTCTTGAGAGAAATGGTGACCCTGGTATT
CCAGGACAACCAGGGTCCCCTGGTCTCCTGGCCCCCTGGAATCTGTGAATCATGCCCT
ACTGGTCTCAGAACTATTCTCCCCAGTATGATTCATATGATGTCAAGTCTGGAGTAGCA
GTAGGAGGACTCGCANGCTATCCTGGACCAGCTGTCACCAAGCACCTATTTTTATACTT
AACTTNCCATGGAGAGAATAATGGCTTGGTGCATTTTATGTATCCATAACATACATACA
AGGCTCGGTCTTTTTCAATGGGGATAACAAGTTTCACAACCTCTTNGATTTGAAATTGNT
AATGGAATCTTGGGTNGACCAANGGATTTTTCTTTAATNGGATTCAAAAGTTAGGCCN
AGAACTTTTTAATGTCAAGATGAAAAAAGGGTGTAAGGGGACCCTGCCCGGGCC

Sequence 3006

CCCTTCGCGCGGCCGCCCGGGCAGGTACCAGCTGCTCTACGTGGCGGTTCCANTGGCC
CTCCCTCAACAACCATCTTGGCTTCTTCAAACAAAGTGAAGTGGGGACGACATCAGTG
TGCTCTACACTGTCTGGGGGAGCCCGATGTGGAGGTGGAGTTCACCTGGATCTTCCAG
GGCAGAAGGATGAAAGGCCTGTGACGATCCAAGACACTTGGAGGTTGATCCACAGAGGAC
TGGGACACACCACGAGAATCTNCCAGAGTGTCTTACAGTTGGAAGACTTCGAGACGATT
GATGCANGATATTACATTTGCACTGTTNANAATCTTNAAGGACAGACCACATGTNGNTAC
CACTGTTGANTTTTTCTGACTTGGAAAAGGAAAATGTAATTGAACCTATNGAAAGCCC
CATTTGATGNACCTTCNNNCCTGTGACCACNCTAAGGTNNAATTTCCANCCACNACTGGG
CGNTCGGTTTACTTAAGNTGGATTCCCGNAGCTTNCNTTACCCAAAGCTTGTTCTNTAA
ATTNAATGTTTATTTAGCTTTTTTTNTGTANTTAAAAATTTTATTTTCANTTTNNCT
TTTTATNACTNCNANTATTANNAATACTGTNNANANANTAAAAATNTTTNNTNTNTAN
NANTGCTTAAATANANNTNNNTTANAANTTCAACNTTAAATTTNNTCTTTNNNTTAAAC
TTNTANCCNTTTATCTAATTTNNGTNAAANTTTATNNTATTNCNAATTATANATNTAAT
ATATAANNTCNANATTTNTNTCANNNTTTCCCNAGGGGGNGGAANANCCCCCCCCCCC
CCCCCCC

Sequence 3007

GGTACTTTTTTTTTTTTTTTTTTTTTTTTCCATTCTCACACTCAAACTTTAATTG

Table 2

AGCATTAGAGGGATATAGAAAGAAATTTGGGCTTATGGCCANATTAATAACTTGTTCAAN
AAATNTTTACTGANATAGTGCCAGAGGATGCTGANAAGCAGGGTGAATAAGTAACCAAAA
AGGCAGGGTTTTNTTCCTTTTGAAGCTTCCGGTCTATTACAGGAATGCANACAAGTCAGCA
GGTAATCACGGTGTGCACAGGTGANATGGACTGTGATAAGGGAAGTTCGGGCGCCTCCTG
CAGTGGGTGCTCCAGCATCCCAGGGGGCTTAGATGAAGCAAAAATGGGGG

Sequence 3008

CCCTTTGAGCGGCCGCCCGGGCAGGTACTCCAGCCTGGGCGACAGAGCGAGACTGTGTC
AAAACAACACCACAAGCTAGCTGAGTAGGGATTCTTGGGCGAAGTGAAGACATTATAAG
CAAATAGGGTAGTATGGGCATGGAACGAACTACATGATTAAAGATTAGTATTATCTGGC
GAGGGAGGAAAAGTGCCAGAGCAAGTGCCGAACTGGAAGGTTACATTTAGTTTCAGGATA
TGAAGATCATATAGGGCCTGCACGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAAGC
CAAGGTGGGGGAGGAT

Sequence 3009

CCCTTTGAGCGGCCGCCCGGGCAGGTACCAGATTTATTGCCTGCCAGGATTGGAATTC
TGCAGAGAGGAAGGATTCATGAAAAAATAATCAAAGTCAGGAAAGTCTTTTTCTGTAAT
CTTGCTCATACAGTGAGTTATTTTGTCTGGGTAGTTTACGGGGATGTAACCTCCTCAG
TCATCTAACCGTGATGTAGTAAAGTCATTTGCAGGAAATGAACTCCACTTTGTTACTT
TTTTCACTTAAAGGCTAATCTGATTAGCTTTAAACATTTGTTTCATCTTTAATTCAGTA
TTTGATGATGCCTATGGAAGACATA

Sequence 3010

CCCTTTGAGCGGCCGCCCGGGCAGGTACGAGGGGAAGTACTTCTTTTTTATACTATGT
GCTATATAACCAAATAATAATTGATATTACAAGTTTCAGTTTCACCATTTACCAACTGTC
AATTTCTTTGAGCATTAAAGTCTCCTCACCTGTGAATTAGGATAATGGTACTCACCTGAA
GAATAGTGGAAGTGGTAACAATGTATACAAACAACCTAAATGTTATCTGAAGAGTAT
CAAGCATTATATAGTTCGCTTAATTCACCTCTCTTTGTGTTCACTATTCTCTCTAT
ACCTCTTAT

Sequence 3011

CCCTTAGCGTGGTGC GCGGCCGAGGTACTAATCTTAGGCCAACTGGCCTGTTCCATCACA
CCCCACCACATTCTACCTTCTGGGGCGTGCTCCTACCACACCTGCTAGAGTGCCTTTTCT
ACCTAACTGCCAGACTTGACCAAGTTAGGACTCAAATATGGCAGGTCTACAAATACTC
CAGAGAACCCTGATTTACATACCTACCTGTEAACTGAGAAACCTTGAACCTCAGGCTTAG
TGTGTGAATTATCCCAAGCTGCTCATCCCAGTTTTGGATAATCCCAAACCTGTCTATGTG
GATAACTACCTGGACAAAGGATTCCTGTG

Sequence 3012

CCCTTTGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTCGAATA
AGCTTACTTTAATAGATCCAGGGGACTGTTTAATGCACTGAANAATTATTTTTCAGGCAT
TCTGTGATGTCCAAATTAGGTTAATATACCTCTGAGAAAGTGAATCACTTACTCCTCGTTG
GATAGTAAGGTCAGAACAACTGTTCCCTGAAACCTTAGTACACACTAGCTGATAAGACACT
GTTGCCCATAAATGTCTATTTATTGGATCAGCAATTTATAAGTCCCGC

Sequence 3013

CCCTTTGAGCGGCCGCCCGGGCAGGTACCGGGAGCTCCATTTGTGCTCTTGGAGGGAGA
AGTGGCTGCTCCAGGTGGCAGGGGTGTTGTGCCANATTTGAGGAGAAATGAGCCACTTTC
AGAGCTTGATGGCTGACTGGAAGTCTGGCTTTTAACTTCCCTTTATCTTNTTGATTTGT
CANAGTTGTTTGCTGTGATTGGAGTGATNGAGCAACATGGGATTAACTNTTGGCGCTG
TCCTTGNAAGGGAACCCATTTTTTTNGGGTTTAATTTTTTNCGTGTGGCGTNTTAGNT
GGCTTTTTNGAACCCCTTTCTTTTGGCCATTGGTTTAACTNTTTNCCTTTTTGCAATG
TTGGNGGGCCNTTCGGGCCNTTGGGCCTATTCTTGNAAGTTTAAAAAGNCGGAAAGNC
TTNNCCAANNACNATTTACCAAAGGAAAAATAACCNNTGGTTTTCNTTACTTTTTGGGG
GGGGGAAAAATGGGGAANTACCTNCCNCAAAAATGTTANTGGGGNGTAAAAANAAAAACCN

Table 2

GACTTTTTTTCGNACCAAGGGAAACCCANTTTNGTTGTTTAAAAAAN

Sequence 3014

CCCTTTCGAGCGGCCGCCGGGCAGGTACCAGCTACCAAGCTGTTCTCAGTGACAGCTGG
AACCTCAGAGCATCTAGTTTGGAAGAGGTTAAGCTTTACATCTTCAGCCCACTTAAGGGG
TAAACAAATCAAGCCCCACACTCATGGGAAGGGGAGAGGATGGAAAGGAGGGGCAGGGA
TGACGGCACCAAGGGGAAGTGTCCAGAACACCATCTCTCTACCCCCAAACCAGCCGGTT
TCCCATCTGTTTTACCTTAATGGCTTTTGCGGTCTCCAGTGACTGCTCAGGAGGGATT
CCACCTCCCTCTCCCTTAGCAGCTGTTGAATGAAATACGTAATATCTCTACCTGCAATC

Sequence 3015

CCCTTNNCNGCGGCCNCCCCGACGGGCNCCANATTTNTTGCCTGNCNNGATTGNAATTCA
TGCANNGAGGAAGGATTCATGAAAAAATAATCAAAGTCAGGAAAGTNTTTTTCTGTAAT
CTTGCTCATACAGTGAGTTATTTTTGTCTGGATAGTTTACGGGGATGTAACCTCTCAG
TCATCTAACCGTGATGTAGTAAAGTCATTTGCAGGAAATGAACTCCACTTTGTACTT
TTTTCACTTAAAGGCTAATCTGATTAGCTTTAAACATTTAGTTCATCCTTTAATTCAGT
ATTTGTATGATGCCTATGGAAGACATATGGATTTAATAGAACTTGGCTTACCATCTGCC

A

Sequence 3016

TCCCGGGCCCTCTAGATGTTTGCTCGAGCGGTTTGCCAGTGTTTTNGATATCTGCAGAAT
TCGCCCTTAGCGTGGTCGCGGCCGAGGTACTAACATCAATAAGTCGAGAAAATTATATTA
ACTGAAAGAAAAACAAAATAATAGAGAATTTTATTAACGTAATNCTAATGTTTCTCTTCA
TGTTTGAGAAAAAGCTGCCACATAATTAAACAATTCTTACCCTGTAAACTGATTGTCT
TCCAATCTCAGGAGGTTTACATTAACAGGAATATATGAATAAGAAACAGGCCTATGGCCG
GGCTCCGTGGCTCACGCCTGTAATCCCAACACTTTGGGATGCCGAGGCGGACGATCAGC
AGGTCAGGAAATCCAGACCATCCTGGCTAACACGGTAAACCTAGTCTCTACTAAAAATA
CAAAAAAAAAAAGAAAGAAAGAAAGAAAAAAAGTACC

Sequence 3017

CCCTTCGAGCGGCCGCCGGGCAGGTACCACACACACACAGGCACACACAGGCACACGCA
GGCACACACGACAGACACACACACATAAACACACAGAGTTCACTAGTCCGAGTTACTGA
TTTTCTTAGGATTCTCAAAGTGACAACACCGGAAACAAGGTAATTCATGTTAAACACAA
GGGTATATCAGTAAGAGATGGGATCCCCGAAGTAAACCGTGGAATTTGAATCAAGCTTC
GAAGAGCTAAAAAAGAAATTGGAGTTTCAACATTACCTTCTTGAATCCTTAAGAAATA
CAGANGTTCAAAATAGAAAACATTACAGGTTTCAGGATACAAAAGTAGAAACATCTGAGA
TTAAGCCTACATTTTTAAAAAAGATATTGAAAATT

Sequence 3018

CCCTTAGCGTGGTCGCGGCCGAGGTACTGTTGCAGTGAGCTCAAGTGTTGGGTGTATCGG
CTCAAAACACCATGTGATGCCAATCATCTCCACAGGAGCAATTTGTTTACCTTTTTTTTC
TGATGCTTTACTAATTCATCTTTTAGATTTAAATCATTAGTAGATCCTAGAGGAGCCAG
TTTCAGAAAATATAGATTCTAGTTTACGACCACCCGTAAGTTGTCATTGAAATAATTATC
ATTATGATTATGTATCAGAGCTTCTGGTTTTCTCATTCTTTATTCATTTATTCAACAACC
ACGTGACAAACACTGGAATTACAGGATGAAGATGAGATAATCCGCTCCTTGGCAGTGTTA
TACTATTATATAACCTGAAAAACAAACAGGT

Sequence 3019

CCCTTTCGAGCGGCCGCCGGGCAGGTACCTAAGGCTTTTCACGGATTGCATACTCAGGA
CAATTTTCAGGAAATTAATTTCCAGATCCTCTATATACACTATACTCTTTCCTTAAATTG
ATCTGCTGAGAATGAGCTTTGTTTCACTGTTTCTTTCCACAGAAAAAGATATAGG
CTACCCATCCCAAATCTTAATACATTGCTCTTAATGTGACACCAAAACCTCANATGTAG
CAAACAGAGGAAAGGTTTGATGATTAATCATAAAACCATAGAGCCTTGGGCTTTTGCCCT
TTATACACATGTTAAAGCTGATTATGATGTTAGATAACATAGAAATTGGGTGTTTGGACT
CACAAATAGATTTTCAGAATTCA

Table 2

Sequence 3020

TTATGATGCTTTACTAACTTCATANNNTAGATNTAAANATTAGTACATCCTAGAGGAGCC
AGGTTCANAAAAATAAGATTCTAGTTCAGCACCCACCCGTAGTTGNGCATTGAAATAATTA
TCATTATGATTATGTATCAGAAGCTNCTGGTTTTCTCATTCTTTATTCATTATTCAACA
ACCACCGTGACCAACACTGGAATTA

Sequence 3021

ACGCGGGTATGATTTGTTCACTTACCCTTTTTTACTTTTAAATCAATGTCAGATACCAAG
AGTTGTGTAAAGCTGAGTGTAGTGTGTAACCTAAGTACCTTGGATCTTACTGATCCAGAA
ATAGTCCCATAGTTAGGAGTAGTTACTTATGAAGTGGTTATTAAGTGAACCACAGCC
ACATATACATTATCATTACTGCTTTTTGTTTATGATTAAATACTGGGTATGTTCTTGG
GTAAATCCCATCCTTTATTGTATTAGGAAAAAAATTTACTTTTTTTACCAGNGTTT
TTTTCCAAAAAGACCAGGAAATTANGAATNCAACCAAGNCTTTCAAAGGGGAAATTTT
AAATTATTTTCTTTGGTAAATGGGGACCTTAAGAATNAAATTTCCAAACCNCTGGAA
TTNAGGCNCCCAATTTNCCCAAGGAAAGNAAAAAAACCAAGGCTTGGGGGNAATTT
AAAAGGTTTAAATCCCAACCTTTNGGAAAAATTTGGTTTTTANCAAAATTAATTC
CAGGAAAACCATTTCCCAAAACCCNTTAAAGGGGCTTCCAAGGGAATCCCCCAATTA
AGTACCCCAAGGAAGCCCCCANCCNTTTTTTTTGAATTAACCTTTAANTAAAAA
GGTCTTTTNGGGGAGGACCTTANGGAAAGNCCAANGGAATTANGTTTTTGGTNGGAACN
ACAATTAAGGCTTTCTCCCCAAAA

Sequence 3022

CCCTTTGAGCGGGCGCCCGGGCAGGTACCAGCTACTGCAAAAACATGCCAAATTGTAA
GACCATCGAGGCTAGGAAGAACTGCATCACTAACGAGCAAAATAACCAGCTAACATCA
TAATAACAGGATCAAAATCACACATAACAATATTAACCTTAAATGTAAATGGGCTAAATG
CTCCAATTAAGAGACACCAGACTGGCAAATTTGGATAAAGAGTCAAGGACCCATCAGTGT
GCTGTATTACAAGGACTTCATCTTCAACATTGCAGGAGGACCACGCATTAGGGCTCAAA
AAATTAAGGGGGATGGGAGGGAAAGACCTACCAAGCAAAATGGGAAAGCAAAAAAAAG
CAGGGGGGTTACAAATTCCTAGGTNCGCCTGGATAAAAAACCAGGACTTTTAAACCCC
AACAAAAATTTTAAAAAGGAGGACCAAAAAAGGAAAGGGGCCCCATTTACCATTAAATN
GGGTAAAAAGGGGATTCCAAATTTCCAAACCAAGGGAAGGAAGGCTTAAACCTT
AATTCCTTAAAAAATAATTAATTATTGGCCACCCCCCAATTTACCAAGGGGGGGCCAC
CCCCGGGGAATTTCCATTAAAAAGGCAANGNTCCCTTTAAGGAGGACCCCTTACCAAAA
GGGAGGNACCTTTAAGAACCTTC

Sequence 3023

CCCTTTGAGCGGGCGCCCGGGCAGGTACGCGAGAGGCATTGAGGCAGCCAGCGCAGGGG
CTTCTGCTGAGGGGGCAGGCGGAGCTTGAGGAAACCGCAGATAAGTTTTTTCTCTTGA
AAGATAGAGATTAATACAATACTTAAAAAATATAGTCAATAGGTTACTAAGATATTGCT
TAGCGTTAAGTTTTTAACCGTAATTTTAATTAGCCTTTAAGATTTTAAAGNAGAAAAATA
TGAAGACTTAGAAAGNAGTAGCCGTGAGNGAAAGGGAAAAAGATAAAAAGGTTTCTTAA
ACCATGACCGGAAGGTTTGGAGATGAAAAGCTTCTCATGGGGAGTAAAAAAATGGTAT
TTTTAAAAAGGAAAAATTGGAGNAGGAAAGGGACCTNCCAGGGGCCCCCGGAATTTAAT
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AAACAGCCTTTAAAGGTTTAAAGTTTTTAAAAAGGTTTTGGTTAGGGTGATTTAAAAA
ATTAATTTTGAAGGGCCGATCCNTTTTTTAAAAAAAGGGAGGAATTTAAAAACCCC
GGAAAGGGTNGAATTTTAAAAAGGAACCTTTTGGANAAATCCCATTGGACCGNCCA
ANGGGGGAGGNAAATTTNGCNGNTCCATTTTAAAAAGGCCCTTAGNTTTAAACCGCCAN
TTTTTCCTTAAACCGCCNNGACCNAAAAAATG

Sequence 3024

CCCTTTGAGCGGGCGCCCGGGCAGGTACATCGGTCCCTTGACCATTACACCCACGGTGG
CCCTAATTGGCCTCTCTGTTTCCAGGCAGCGGGGAGAGAGCCGGAAGCACTGGGGCA

Table 2

TTACCATGCTGTAAGTGGAACATCTCCCTCATCCCACTGCGGGGCAAGCCTTTAG
GAACATTCACAGGACTTTCAGGAGATAATGTTTTTCAATAAATAAGAAATGGGTCTGG
ACAAGTTTCAACNTTTATTTGCTTTCGTGCTGGGGGAAATAANTTTGGAAGGGGTTTTT
TTGACCCAAGAAGTTTGGGGGAAAGTGACCATTATAAGTTTGACCGTTATTTACAAA
AAGACAAGACTTTTANGNCAAGCCAANTATGGAAAGAAGGGGTGGGAATTNGTNAAAGTT
TTTTTAAANGCTTTTGGGTAAAGTTGGGGGGGTAAAGGGTAAGTGGGCCGCCCATTTTTG
GTTTTTTTGACCTTTTTTNGANGGNTCCTTTGGCCCAAAANNTCTTTCATTGGTTTTCC
AATGGGAAGGTTTNGGACCNATTACCTTGAANNAAAGACCCCAAAAAATTTT

Sequence 3025

CCCTTAGCGTGGTCGCGGCCGAGGTAAGTCTGGTTAGGTTAGGACTTGCCCTCGTGGTGA
AAGTTTTCTTAAAAAGTTATAACCAACTTTTCTATTAAGTGGGAATTAGGAGAGAAGG
TAGGGGTTGGGAATCAGAGAGAATGGCTTTGGTCTCTTGTGTTGGGACTAGCCTGGCTT
GGGACTAAATGCCCTGCTCTGAACACGGAAGCTTAGTATAAACTGATGGATATCCCTACC
TTTGAAAGAAGAAAAGTTTCTTACTGCTTTGGGTCTTGGATTATTTATCACCACAAAA
AGGCAGGAATANGTATTTTTTAAATATTTTTAAATGGTTAAAAGACCAAAAAAACCTT
TATTATTGGTAATTGGGGTTTTTTTGGTTGGGATTTATTGGTGGTTGGTTTTTTTGCCTT
AAAAAGGGAAAAAAAACCCCATTCCTCAAGGGTTCCACCGGGGGGCCANCCCAAAAAAT
TTTGAAGAAACCAAAAAATTANGTTCCNGGNATTTATGNAAAAATAAAAAGGCCATTCTT
CCATTTTTTTTGGAGGTTAGGAANGAAGNCANANGGGGGGAAAAGGTNGGGTTTTCTTTTA
AAAATTGGGGTGAAATCCTTGGGGGNATTTAAGGGCCCCCCTTCAAAANAAACCCCTT
TTTTGGGGGGTTTT

Sequence 3026

CCCTTAGCGTGGTCGNGGCCGAGGTACAGCGGGGACATCTCACTCATCCTTCTACTCGTG
ACGCTTCCCAGCTCTGGCTTTTTGAAAGCAAAGATGAGCAACTCAAGCTGAGAGGTCC
ATAATAGGCATGATCGACATGTTTCAAAATACACCAGACGTGNATGACAAGATTGACAA
GCCAAGCCTGCTGACGATGNATNGAAGGAGAACTCCCCAACTTCTTAGTGCCCTGTGAC
AAAAAGGGGCACAAANATTTACCTTCCGGCCGATTGNTCTTTGGANGAAAAAAGGGA
CAAAGGAATTGGAGGGGATTNAAGGAAAGGAATTTGGATTTTTTTTCTGGAAGTTTTTT
CTTGGTCCCTTTGGCCTTGGGGGAGGAACCNTTAAGNCNCACCNNGGACCTTAACCCACC
TAAGNNCAAGTAAGCCCCCATTGGGAAGGCAAGGCCGGGCCCTTGGTTTCCCGGGGGG
GGGGCCAAGCCCCAAGNTGGGAACNCCCAAGCCCCCCCCACCCCAATTGG

Sequence 3027

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAAAGACTCTCAAAAACCAATACTCCCACGG
GCAAGGGAATAGCCAAGTTTGTTGCCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGT
CTCAATCAAAAATGGGTTCAGTTAACACCATCAGTTTCTTTCCTTCTTCCAAGATCCAGGT
TTGAAATTCTTGNTGGGCATTCTGGGATAGCNTGGAACAAGGCTTTAGGACATGAACCCA
GACAAANTTGA AAAATTTTCAAGGGAATTTTCTTAACTTGGNTGGTATTTTCNATAAG
GGAATGGCTTCAAGTTGAAAAGTTAGGNCAATTAAAGGGGAAACCTTTTCAAGTTGGGA
ACCAATNNGGGGTTTNNCCANGNCCGGGGGNAACCANGTAAAAGNAAGGAACCTGGGCT
TTCCCTTCCCGGGGAACCTTCNCCCTTTCAAGATTAGGNANTCCCTTTAAAGGGGNCCC
CTTT

Sequence 3028

AGGTACCAATGAAGTGTGAAGACAAGGCCATCCACCACTTTATAGAGGGTGTA AAAATA
AACCAGAAATCAAGGGAGAAAGAAAAGATGAAAGACAACTGCAAAAAATTGCCAAATG
CGACTTTCTAAAAATGGAGCAGATTCTGAGGCTTTGCATGTCTTGGCATTCTTCAGGAG
CTGAATGAAAAATGCAACAAGCAGATGAAGACTCTGAGAGGGGTTTGGAGTCTGGAAGC
CTCATCCCTTCAGCATCAAGCTGGAATGGGGAATGAAGAATAGAGATGTGGTGCCCACTA
GGCTACTGCTGAAAGGGAGCTGAAATTCCTCCACCAAGTTGGTATTCAAAATATGTAATG
ACTGGTATGGCA

Table 2

Sequence 3029

AGGTACCATCTAGGTCAGTTTAAAGAAGAGTCAGCTCAGAGAAAGCAAGCATAAGGGAAAA
TGTCACGTAACTAGATCAGGGAACAAAATCCTCTCCTTGTTGAAATATCCCATGCAGTT
TGTTGATACAACCTAGTATCTTATTGCCTAAAAAAAATTTCTTATCATTGTTTCAAAAA
AACAAAATCATGGAAAATTTTGTGTCCAGGCAAATAAAGGTCATTTTAAATTTAGCTG
CAATTTAGTGTTCCTCACTAGGTGGCATTTAAATGTCGCCTGATGTCATTAAAGCACCAT
CCAAAAAGTCTGCTTCATAATCTATTTTCAAGACTTGGTGATTCTGAAAGTTTTGGTTTT
TGTGACTTTGTTTCTCAGGAAAAAAAATATCTACTTAAATTTTAAAGTCTATAATTCAA
TTTAAATATGTGTGTGTCTCATCCAGGATAGGGATANGTTGTCTTCTATTTTCCATTTTA
CCTATTTTACTTTTTTTTGTAGGAAAAGAGAAAAAATGAATTTCTTAAAGATGTTCCCC
CATGGGGTTTTTGGATTGNGGTCTAANCCTTTGGATTGACCCTTCNTTTTAAATCNGCCT
TTAAACCTTAAAAACAAAATT

Sequence 3030

CCCTTAGCGTGGNCGCGGCCGAGGTACCCTNAACATCTNTGCTGCTCCCACTGGAGAGTG
AGTCTGGAGTCCCTGGCACTGGGGCTTTGGTGAGGGCTCCATATACACCCATGGCCTGAG
CCACCATGCTGGTGACATCGCCAGGGTTGGAGGGCAGTAGGGATAAGTGTGGAGTCTT
GGCCAGNTTTNGGTAGAACAGCGCTGACATACTNCTCGGCCACAGTCAAGTGAAGCTGT
TGCCATCTCCCAATTATGGTTGTGTGAGGANGCTGCAAGCCAGGGATTNNNAATAAGCCTT
TCAAGCTTTTTAGGCCCTTTNGCCCTTTNCGCCAGAACTTGACCTGGNCCCTCTCCC
TGCNTGCCCTGGATTTATCTTGNTCAAGCCCTTTTTCTGCTTCCGGGAGGGCCAAGGN
ATCCTGGGGGCCCTGNTTTTTCTTTCCCNCTTGNCCCACAATTTNGATGGGGGCCCCG
GAACCTNTNANGGGGTTNCCCCCTCAAGAACCTTCTTAANAAAACCTGGTTGGGCCCC
CCGTTTTCCCCGGCCNTTACCCTTGTCCCCCGGGGCCCGGGCCCGNCTTCNNTAAAGG
GGGCCGN

Sequence 3031

CCCTTCGAGCGGNCGCCCGGGCAGGTACTTNNTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTGAATTTTAAATGACNCTAATAGCTTTATTTAACAAACNCTGAGTGACTACTATNTGCA
AAGCNCTATNCTAGGNGCCTGAAAGATNCNAAGATGAAAAAGACNCANTCCNTGCCCAN
AAGGGAGCGTATAACTAGTGNGGGGAGACAAAATNCCCAATATTTACTNGTAATTACAA
GGNANNTNANCAANAAGTGGGGCAANGTGCCTGANTTGTGGCCCTGAGTTGTTGNATCT
AACCTANCCCTNAAAGGGTTCNCAATTTTGAAAAACACCGATTGGAAAAATACGTTGGT
GGGTCTTGGCTTTTCGAAAAAATCCCCANTNCCNCAAGGTTTTGGGNCNATANAT
TGGGGAAAANGTTTAAAAATTGG

Sequence 3032

ACACNNGAGGCNTTGANGCAGCCAGCGCNGGGGCTTCTGCTGAGGGGGCAGGCGGAGCT
TGAGGAAACCGCAGATAAGTTTTTCTCTTTGAANGATAGAGATTAATACAACCTACTTA
AAAAATATAGTCAATAGGTTACTAAGCATATTGCTTANCGTTAAGTTTTTAACGTANATT
TTAATANCTTAAGATTTTAAGNAGGAAAATTATGGNAGACTTANCAAGAGTAGCTATCGA
GGNAAGGGAAAAAGCATNANAANGGTTTTCTAAACATTGTANCGGAANGTTGAGAATG
AANCTTTCTTCATGGGAGGGTAAAAATGTTATTTAANAAGGAAAAATTGCAGNAGTAA
AAAGNGACCTANCAGGAGCCCCCNGANATTTAANTACCCNTATTANGGAAAGGGGGCC
AAAAATNGNCTTTTTAGNAATTTAAAAAAAATGGAAAGGGGTTGGAANCTTNTAAAAACN
ANGGCCTTTTAAAAANGGTTTTTAGATTTTTANAAAANNTTGGNTAGGGNNGNATTTTA
AAAAAATAA

Sequence 3033

TTNTGTCNNCTTAATCCTTCNNTGNGNGGGGGCGGCNTACNTGNNAGTTNCCANNTTGG
CNCNGACTAAAAGATAACCAACCCCTNTCTCTGGCACTNATCAACACAAGAACCANTAAAA
TGGTAGATGAAATGAAGGAATAANGCNNGGGGTTATTNCCTATTNTAAAAAANAAAAA
ATNATTTCTTCNGCAGNTNTTNNCCACANACATTTNNTNATACAAGAATTACCNAGTGTN

Table 2

TTTTGACCTNNCAGCCCTGTTCCCCATTNTNCTNCCAAAAANCCNNGAGGGTNGGGANAC
AAGTTTGNAAGCCAAACCAAGCCAATTTNTTGGNAAAAAATTTACCCTTAGNAAAACC
CCCTTACCAAAAAATTTTGGAAATTTAAAAAATCTTAAAAACCCTTTCNTAATAAAAAANTT
TTTTTGGCCTTTTTTTT

Sequence 3034

ANAGAAAAGGATGAAGTCAAGGGCCTGGTANAGGCACCACTAAGAAAGGCATNTGAAAGG
ACCAAAGAGAGTGACCAGCAAGCATTTTTTGAAGGCTGAGGAGCTGACAGCTTCCATGA
AAGGCTGGACCACCCAGTGGTGAAAAGCATCATCTGGGTACCTTGTGCTGCCATAAAAC
ACACCACANACTTGGTGACTTAAACCACAGATATTTATCTTCTCACAATCCTGGAGGCTG
GAAGTCTGCAATCACGGTGCCAGCATGGTCAGGTTCTGGTGAGGGCCTCTTCTCTCA
CTGTGNGCTCNTTCTTGTGCATGGAGAGAGA

Sequence 3035

TGAAATTGCAACCCTCAAGATTAAGATTAAATAGAGGAATCAATTTAAATATTTTCTTA
TATACTACAACAGCTATGCATTTTTGCTTAACCATACCATATAACCCAAGTAAACATAT
GAAAATTGCATAGGAAAAAATGTGGTCACCAGGCAAGATTTATCTTTAAAAAATAAGATAT
AAAAAAGCTTGGGTCTAAGGGGTAATGTCCATGCAAATATTCATGCCAAATAAGATAT
ATACAAGACATGCTGATTTCTGCCTTCCGCCATCCAACCGGGAACCACTGTCTCTGT
TAATCAAGCCAGTAGGGTGGGAAAAATACCACTGNTTTA

Sequence 3036

TATGTGCAGAATTCNCCCTTAGCGTGGTGC GCGCCGAGGTACATCTACAGAGTGGTGGGA
CTGGGCCAGGCCTTGAACCCAGTGGTCTGATTAGAGCCCATGCTCTTATTANTGTTTCC
CCAAATGGGTAGTGAAGTAAATTTCTGATAAAATGAAAAGTTCTCTTTGTATACTGATAT
CCATTACAAAACCTGCAGGACTACAGCACTTCACAAAATGCATCATTTCCACAAACAGTG
ATGTTCTTTTTTCANGGTAAACTATATTGCAATAACAGCAAATATGAAAAGATACTAATAT
AGTATCTCACATGCCCTCCTTTGTATATTGAAATCNATGAACTCCACCATCATCAGGAG
GACCTAAACATGANTTGTTTTTCCAGGGCTAGGAATAAATG

Sequence 3037

ACCAAGCACTTTACAAAAAGAATCCCCATATATTTGTTTTTGGAGGCCACAAGAAATGGG
AAGGGCTAATGAGAGACTGCAGTTAATCTGCAGCTAGTCTTAGGGAAAAACAGAACTCCA
AAAAAATAGAAANAGCTGAAAGGAGAAGAAAGCANACTGAATTTTTGTGCTTATCANAGGA
AGAACNAAAGAATATGGAGTTGTCTGGATCCTGAGACCATTAGTGG

Sequence 3038

CCCANCTTTTGTTCCTTTAAGTGAAGGGTTAATTGCGCGCTTGCCTAATNATGGTCATAG
CTTGTTTCC

Sequence 3039

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAAGCTTTTTTTTTTTTTTTTTTTTTTTA
TTT
TTT
AAANNCNTTTAAAAAANNCNTTTTTNAAAAAANNNNNNCCNTTTTAAATTTTTCNC
CCNAAAAANNNNNNGNGGGGNTNANNCCNNTTTTTNAAANGNTTANGGNTAAAAANGGT
TTTTTTTTTTGANGNNCCAAAAAANNNTCCNAAATNAAAAANNNAGGNAAAAGGGTNN
NTCNCNAAANNNNGGGGGGGGGGNNTTTTTAAAAANGGGGGGGGGGGGNNAAAAANCC
CCNNCNCNTTAAAAAANANGGGCCCCCCCCCGGGGGGGGNNAAATTTATAATAAANTTTT
TNAANCCCCCNCCCCNCGGGGGGGNCCCCNCCCNATTTTTTNCCTTTTAAAGGG
GAAAAAACCCCCCTCGGGAAAAAANNAAAAAANATTTTTCNTGGNGAAAAAANTT
TNCCCCCNAAAAAANNCNAAAAAANNAANNGNGNAAAAAANANAAAAANCCCN
GGGGGGCCCAAAGGGGNCCNCCNCCNCAANAAATTNGGGNGGACNNNNCCCCCNNTTTT
ANAAAAAATAAACTTTTNNCCCCTTTTNTTTAAANANAAACCCCCCCCCCNNGGNA
AGANGNTTTTTTTTTT

Table 2

Sequence 3040

GCGGCCGCCCGGGCAGGTACACCTTGTTACCAAATAGGTTGTTCTCTTCCCCACCCACCT
TTNAGCTTTTGCTCTAAAATACATTGAGGTTCCAGGCCTGACCATCCTTGTTTAATCTAT
CATACTCTTCCAGGTTTTTTTTTGGTCTAAGGCTGGAACCTTTTTCTTTTTTTCAGCT
GAAGTCTTATGACTTTTCATGAGTCAAAATTGTTTGGATTTCANCAAGNCAAATCTTGCA
AAGGCCTGCATTTTTTTTTAAGATTATATGAAGTCTGTGCAAAAGCTTTAAAAAATGC
CTCTGCCTTGCCTGCAATACATGCAATGTATGTTAACTTAGTCTCTCTTCTCAGACACTG
TTGGNAGNTATTTCTGGGTTTTCTTTTTTTAAAAA

Sequence 3041

AGGTACGCTCTCCCCTTATTCCAGCAGGGCTACTTTCTCTTCACTCTGATGAGGGGAGC
TTTATCTGCTTTCAAATGGAGCACGTGCGACTGGAGTTTCGTGCCCTCTCGTTAACCTC
TCAGGAGCCACAGGGCTCCATAAACGGAATCAGTGTCTCAATATACATGACCTATGTTT
ATAGCAATGTTTCAAGCATTTGGGTTTGAAGAAAACACATTAAAGCCAAGACCCGTTTGG
AGCGAACTGCCTTGTTCTTTGCTGTGTGGAAGTTCTGTCCCTACTGCTGAACTCCAGTT
CCTCCCAAGCACCCCTGGCCTCANAAATCCTGGCTTCCCAAGTTAGGTGCTGTCTGACCT
GAGCCAGGCCACTGCTTGGTGCTCTACAGGCCACTGTGCATGTTGAGAATTGCCCAAAA
GGATTAGTGAAGCTCCTGACCCTGGCGAGGCCATAATGAACACTGAAGTGACAGGCCAA
GGGATGTAATTGAAAGGCATTTATTTTGTGAAGATGCTATAAAATTAGCATTAAATAT
CCCATTCCCTTCTCTTGGCCTCCTCTATCCCCCTATGGTATTTCTNCT

Sequence 3042

TCGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCACATCTTA
AATACTCTCCAGTGTCTGAGTCTATTATGGGGAGGAGCAGTCTTTTGAGACGCTGGAAG
GGAAAATACAATTGAGATAGGGATGTGACGGTGACAGTATAACAGTAAATGGAATCAAAA
TGGTGAACAAAAAGGATATTTGGTGACAAATAATGGGTGTGGATCCATTTGATTGGATCA
GGGTCCTAATTCCTGATTCTGCCCAACAAGTTAATTGGAGCTGGCTGGAAAAACAGCAAAA
CCACCTTCACGGATCTTGGTGCCCAATTAGGCTTGGCATCTGCTCTGAGGCCAGATGGA
GAATACACTTTGCTGGCACCTGTGAATAATGCATTTTCTGATGATACTCTCAGCATGGAT
CAGCGCCTTCTTAAATTAATTCTGCAGAATCACATATTGAAAGGTAAAGTTGGCCTTAAT
GAGCTTTACAACNGGCAAATACTGGAAACCATCGGAGGCAAACAGCTCAAAGTCTTCGTA
TATCGTACCTCGGC

Sequence 3043

CCGCGGTGGCGGCCGAGGTACCACATCTTAAATACTCTCCAGTGTCTGAGTCTATTATG
GGGAGGGAGCCAGTCTTTTGAGACCTGGAAGGGAAATCAAATTGGAGAATAGGGATGTGA
CCGGGTGACAGTATAACAGTAAATGGAATCAAAATGGTGAACCAAAAGGGATTTTGGTGA
CCAAATAATGGGTGGTGATCCATTTGATTGGATCAAGGGCCTAATTCCTGGATCTGNCCA
ACCAAGGTATTTGGACCTGCTTGAAAACCAACCAACCTTTACCGGGATCTTGGTGGCC
CAATTAAGGCTTGGCATNTGCTCTGAGGCCNAAATGGGAGAAATCCCTTTGCTGGCCCTT
GGTGAATAATGCCATTTCTGATGATCCTCTTAACATGGGATCAACGCCCTCNTAAANTAA
ATTCTTGCAGAAATCCATATTTGGAAGGTNAAAAGTTGGGCCNTAAATGAGCCTTACCA
ACNGGCAAAATACTGGGNAAACCCATCGGAGGCAAACAGCTCAAAAGTCTTCGTATATCG
TACCCTTCGGCCGCTCTTAGAATAAGTGGGATCCCCCGGGCTTGCANGGA

Sequence 3044

CCGCGGTGGCGGCCGAGGTACAGGTAGATCTTGTAGTCAAGTGCCTGGTTGTAAACCTG
TGATGGGTGTAACCTTCTGACATCTGGCTTTGATGGGTCTTCTGGAATTGGAATCTGGCCA
ATTGGCTGGAACGGCATCAACTTGAACCAAGTATCGTCTTAATCTTNGTCTTCAACTA
ATGGTGAATGGGTGGNCTNAAGAACATCTGGCANAACGAACCTTCTTNGTGGGCTGACA
TTCTTCAAANGTGGTGACAACTTCTGAGCTTGTCTGCTTGTCAAAAGTGGCCTTAAAAA
CATAACACTCACTTTATATTTGGTGGCCACCATAAGTCCTGATCCACCACGGATGANCTG
CANGAACCAAGGTTGATTTCTTTATTTGGTCCCGTCTTNTTCTTGGGGTCAACCCGCAC

Table 2

CTCGATATCCAATGAGCTTNACATTGGGTGGTGGTCCACTGGGCCCCCTCAAGCTTGGGGG
TGTGACCCTGAAGTGAACCTCAAGGTCAANTTGGTGCAAGAAATAGCTTGTGGACTGGGG
TTNCNAATCAAGGGCTGCTCTTCATATCATCGTGCCAAGGCAACCACACTTGACTGTNTA
CCCTNGGCCCCGNTCTAAACTAAGTGGATCCCCCGG

Sequence 3045

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCAATTTGGATG
AATCTTGATAGATTTAAATAGTGTATGTAATTTTGAATGCTTAGACTCTTGAAGAGCT
ACTTCTGTTTTAATGTTAAGATTCTTGTCCTTAGTTTTTTTTTAACATGGATGAATTCC
ATGTAAACAGGTATGGAAGTAGGAAATGTTTAGGCTGGACTTGGTGGATTATTAATTGAC
TTTCTTGGGTTCTTGGGAGTCAACATTACTAAAGCAGTGTGAATCCCTGTTTGCTTCAGG
GCGAGATGTGTGACAGAGGTGGCATCAAGCTCTTACAGTCCCAACCCTCCAACGGAAATG
GGCGAAGATCTCAGGAATGGCATCGGTACAGGAAATCGATAGTGGCTGGCTGCTAGCAT
GGCCACTTGGGGCTTAGGCAGAAATAGAGCCATGGTACCTGCCCCG

Sequence 3046

CCGCGGTGGCGGCCCGAGGTACTTTAGGCCGAAGCTGTTCTTCATGGAAGACTCAGCATA
GCGGAAGTAGGAGGAACCTGGAGGTCTGTCCAGGTTGTGATGAAGTCACGCACGTNTTC
CGGCAGGATGACTCGGTGCTCGCCCATGTCCCGGTAGTTCGCCAGCACGCACACTGGCAC
GTGGGTGGGCACTTTTGGAAGCTCCCGGAGAATGTAATTGAAGGTCCACTGCTTGGTAAT
GTCGAACATCATGACCACCCCGTTGCAGTCTTGTACCTGCCCCG

Sequence 3047

CCGCGGTGGCGGCCCGCCCGGGCAGGGTACAAAAATATTTAACAGAACTATGAAAAGATG
CAGGGAANGGAGTCTTTTCTTCGTAACCAAGTAAGTCCGTGGTTTGNATGGGTTCTTTT
GGATCCTCTTCAAGGTTTGTATCTGCCCATGAATAACCCACACCTGGAAGAATATG
GCCGGGATGAAAAACCAAAAAGGCTGGCTACTATAACCAAGGAGGCGAATGAATCTTGC
CATGGAGAAATGCAAGTGGTGTCTGCTGAACTTTGGTTCCATTCTTCACTGACTTCAATT
TTTGCTTTTGAAGAATATGAAGAAACATGGAGGGTTTCTGCCTTGGTATTTTTGCAAA
ATTTGCCTTTGATGAATCAAACATGTCAAGTAATGCCCAAGAACTTTCAACGGCTNCTTC
AAAATCTGGTTGGTGTCTCAACTGNGAACTTTGGGCAAGGATCACCTGCACCCTTTTGGG
CACCATGATGCTCATCCAGCTGNCATGGTCTTGGGTGCTGATGTGGTGGGGATGATGGC
AAACAGCCGGAATGGAACCTCANTCGGCAGTGAATCAACATGCCTGATGCCTTTNCCC
CGGGGTAAGGGCAAGTTCAATGAAANTGNACCCTCNGGNCCGCTCTTANAACCTAANNGG
ATCCCCCNGGCTGNAGGGAATTCNATATCAAAGCTTATCGATACCCGTCGACCCTCANGG
GG

Sequence 3048

GTGGCNGCCCCGAGGTACAGTCCTGATTGCATCATAATTGGTGGGTTTCCAACCCAGTGGG
ACATTCTTACCGTATGTTACCTGGAACTAAGTGGGATTACCCCAACCCCCGCGTGGATT
GGAAAGTGGATGTAATCTGGATTCTGCTAGATTCCCTCCCTAATGCTGAAAACTGGCC
TTCATTCCAACCACTGNCNTTGGGATGATTTTGGGGGAACATGCCGACTCAAAGTGTGG
CTTGTTGANTGGTGTGAATTGTGGCAAGGTGGTTCTCTCCAGGAATTTGAATCCAGG
ATGGGAACCGCCATGATAGTGAAGTGGAAAGGAAGGCCCTTAAGAATGGGTGGGTTGN
AAAGTGCCTATGAAAGTCATCAAAGCCTAAAAGGGATATACCCACCTGGGGCTATTGGG
ATTAAAGTGTGGCTTGATCCTTATTGGAATNCCATGTTTGAAAAATCTATTCCAGGATT
CATTCCCGTGTCAACCAATGGGTAA

Sequence 3049

TAGCCTATCGACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAAGC
TT
TT
GGCCCTNAAAGCTNNTAANAANNTTGGNTNANCAAAGGNAAGTGGGGTCCGNAAAAAAGG
NTTTTGGGNGNAAAAANNTTGNNTTTTNTTGGGNGNGNTCCTGGGAAAA

Table 2

Sequence 3050

TACGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTGACGA
TCTGAGGAATAATGAATTTGAAGACATTAACATTTCTCTGCACCAGATTGAGCCGACTCT
CCCCTTCTTGCTGACGGACTCCTGCAG

Sequence 3051

TTGGAGCTCCCCGCGGTGGCGGCCGNTGTACANCTACTGGATCNCCGANNTNNNGNAAN
CCAANNTCNNGCTTATNGANTNCCNCTGACCNCANN

Sequence 3052

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGCCGAGGTACCTCCCTGCCTT
TAAACAGAATACTTTTTCTTTTTTTGGCCTTCTCAGATTAGTCAAAAATTCATAGA
ATGACTCACTTCGAATACTAAGACACAGGAGGTTTAGCCTGCTTCTTACCAAATTCATG
TTACCCAGACTTGTGTTCTCTTGCGTCCCTTGACTGCCTGTTGATTGATGGAAAGTGTC
TGCACTGACACTTTTCGTGNGNAGTCTGTAGTTTCGTGGCCTCTTTTGATTATAACTGGG
GTCACCAAGAAGGTTTACTTAATTAATACCGCATTTCTAAGAGAAGATCTTTGTGTAAG
AAAAGATGCCACATTTAGTGGTTAACTTTTGTAACTTCACTTGATAGTTTAAAGCAAT
TAGAATGGGAGTTAGGGAAAGACATATCATACTGAACAAATGTCATTCTAGTTTAGATA
GCATTTCTAAGATACTGATACTAATACTGTTTCTTCCCTATAACATAAAAAACTTCA
CTGGTAAAGTCATGTCCCTTGA

Sequence 3053

GTATACGACTACTATAGGGCGAATNGGNGCTANACNGCGAANGGGNNCTNCGCCGNGGTG
GCGGCCGAGGTACAAGATTCAGATCCTAACTCAAATTCCTCTCCCAATAAACCCCTGC
CAGCAAACGCACTCCAGCACTGCCTGGCCCTCTCTGCTGTCTGTGCTTGTGTTGTGCCAA
GTGCCCTCAGCTGCAAAAGAGATGGCAGGAGAGGCTCGCAGACAACAGACACTGGCCCTCC
CCCTCGCCCCATCTCTAAGCGTCCCTCCAGCCGGCCTCAGCAGACAAGTCACCACCATC
AGGTGGGTGATCCCAAGCAGCTACAGGTTTCTACATTTCCAGACATATCCACGGCCCT
GCCTTTCTACAAGAAATTGGAGGAATTTAAATAAAGTTTGTTCCTTTAACTCATTCT
TTAAATATACCACTTTCTTACATACAGCTGAAACCTTTGCCCTTCTTTGTTGGGGA
AAAACAGCAATGCCTACCTGTTTCAAGCTGATTCAAACATTTCTCCAGGAAAAA
AAA

Sequence 3054

AGGTACCATATTTCTCCAGCTGGCTTGTAAGCTATGTGAGGCAGAGAACGATCTTACATT
TTTTTGGCCTAAAAGCGGTAGAAATTTAATAAATAGATGAATTGATTGATTCATTAA
TAGTATAAAAAGAAAATTTGGGGTGGTTTTCCATCTTTAGAACAAAGAGATGAGGCTG
GGCGCGGTGGCTCATCCCTGTAATCCAGCACTTTGGGAGGCCGAGGCAGGTGGATTACT
TGAGGTCAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAACCTGTCTCTACTAAAAA
TACCT

Sequence 3055

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATCATTTTCATGTCATCC
TGTTNGCCTGATGAAAGAACCCCTACAGTTCAGGGTTCCTGGGACTTTCTACCAGTGCC
CCTTCTTGANCAGGCCCTACCANAGGGTGCCACCTACAACATCATAGTGGAGGCCTGAAA
GACCCACAGAAGGCATTAAGGGTCGGGAAAGAGGGTGTTACCGTGGGCAACTCTGTCAAC
CGAAAGGCTTTGAACCAACCTACGGATGACTTCGTGCTTTGACCCCTACACAAGTTTCC
CATTATGCCGTTGGAGATGAAGTGGGAACGAATGTCTGAATCAGGCTTTAACTGTTGTG
CCAGTGCTTAAGCTTTGGAAAGTGGTCATTTCAAGATGTGATTCTATAAATNGGTGCC
ATGACAATGGTGTGAACCTACCAAGATTGGAAGAAGAAAGTGGGACCGTCAGGGAAGAAAA
ATGGGCCAGATGATGAACCTGCACATGTCTTTGGGGAACCGGA

Sequence 3056

CGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGCCGAGGGTAC
AAGAACATCCCCANTNGTGGTGGGCCAACATCATTCTTTCCAAAGTGGATAAACTATTG

Table 2

GCATCTAAAAAAGGGTCATTCAATGGGAATCTTGATGGGCCAAAAGTTCATCAACAGTAA
AGAATCCTTTATCTTTCAACATTCAAGGAAAATGGTTGGTGTTAATCACCAAGGTGGTTG
GTAANGGAAAAATGGAGACGCCTGTCCAAATTTGAAATAAAGTAAGAATGCTTGCCTTTG
GGTAAAAAATTCGCGAAATCCCAGGGAAAAAGCCCAGGTCCGAAGTGCAGTGCCTATTTT
TGGGACCATTCTGATCAATCCCCACCAAATGCTTCCATTATATGTCACAAGTGCCCATGG
TCTGAAAATGGGTACAGGTTTTATAAGTTTTA

Sequence 3057

GCGCGTATACGACTCACTATAGGGGCGAATTGGGAGCCTCCACCGCGGGTGGGCGGCCCCG
AGGTACTTGTACCAGTAAAAAGAGGTATAAAAGTCCCTGTTNCCCAAGTCCAAACCACT
TTTTAACCTTAAATCTTTGAGTTTTCTGAATTACTCAAATTTGAAAGTAATTCTCTT
TATATCTGAAAAATGGTTTTATTGAACCGTTGAAGATTAAAAAATATGCANTTGCAAAG
AAAGCATATGACAAACATTCTGAGAGTCTCGGCCCGCTCTAGAACTA

Sequence 3058

CGAGGTACTGAGGAATGAATAGAAAGGCTTCCAGATGTCTAAAAGATTCTTTAACTACT
GAAGTGTACCTAGGTTAACAACCCTGTTGAGTATTTGCTGTTTGCCAGTTCAGGAATT
TTTGTTTTGTTTTGTCTATATGTGCGGCTTTTCAGAAGAAATTTAATCAGTGTGACAGAA
AAAAAATGTTTTATGGTAGCTTTTACTTTTTATGAAAAAAAAAAATTTATTTGCCTTTTA
AATTCTTTTCCCCATCCCCCTCCAAAGTCTTGATAGCAAAGCGTTATTTTGGGGGTAGA
AACGGTGAAATCTCTAGCCTCTTTGTGTTTTGTTGTTGCTGNTGTGCAAGTGTGCCTGT
CACTACTGGTCTGTACCT

Sequence 3059

ANGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTAAAGACATTGAAAGGTTTTAGTTT
CTTCCCTATCTGCATGTCTCTCATATAGAAAGCCAGAATTAGGGGCTAGAACTCCAGG
AGAGGGTCTCCCCGACTCATCTCTTGCTGACGGTCACCAGGATGCAGAAATAGGGAGATG
GTTAGTGGGGGCCAAAGATGCCCCCTCCAGGCCCTTCGTGGTTCCTCCTCCGCCCCCTG
CAATCTTTGGAGGAGTCAGTGCCTCACTCCAGCAGTGAAGTGCCTACTGTATGCAGGTAAG
TCAGCCAGGCAAAGAGAGACTAACGGTCTCATGGGGGAACCTCTTGCGGGAGGCCAGGT
AGCTGGAGCGAAGCGTTCCGGCCCGCCTTGCTGCTGGGTGGAGTGGAGAGGGAGACTTCT
TTTTGTTGGTTTTAATTTAAAAACACAAAGGCCTAAAGAAATACGTATCTTATAATTTT
TTAATTTTGGAGCGTTCATTTAATGAATTGTGCACGAATGAATTTCTATATATATAAAA
TATACATATATAGCTCTATATTTGGGGAGGGGCACTGGCTCTTTTTTCTCTCATTTTT

Sequence 3060

CCGCGGTGGCGGCCGAGGTGCCATTGAAGGGGAAGGAACTGCGGGTGTGTGTGTGTATGT
GTGTGTGTATGTGTGTGCGCGCGTGCCTGCGCGTGTGTGCGCGCGCTAGTGTGTGGACAA
GGAGGTGGGGGCGAGCTGAGTTAGAGTCCCAACTCTTGGACTCCATTTGCTATTCTCTCT
TTTCTNCCCCACACCTATNTNGTTGGTGGTAGTGGGCCGTTTATATTTGCGTTCCTTTT
CATTCATTTCTAAATCTCTTAAAAATTTGGGTGGGGGTATTGGGNGAAGGCAGGAAAG
GGAAAAGGANAGTATTAGCTGAAGAGCAANAGGANGACATGGAGATGAAGA

Sequence 3061

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATGATGCCAACCGAGGGGGAT
GATTCGTCTAAAAGCGTCCCTTTAGCATTACAAAGAGTGTTCTATGAATTACAGCATAGT
GATAACCTGTAGGAACAAAAAGTTAACAAAGTCATTTGGGTGGGAACTTTAGATAGC
TTCATGCAACATGATGTTGAGGAGCTTTGTCGAGTGTGCTCGATAATGTGGAAAATAAG
ATGAAAGGCACCTGTGTAGAGGGCACCATACCCAAATTATTCGCGGCCAAAATGGTGTCC
TATATCCAGTGTAAGAAGTAGACTATCGGTCTGATAGAAGAGAAGATTATTATGATATA
GGACACCATACCCAAATTATTCGCGGCCAAAATGGGTGTCCTATATCCAGTGTAAGAAG
TAGACTATCGGTCTGATAGAAGAGAAGATTATTATGATATCCAGCTAAGTATCAAAGGAA
AGAAAAATATATTTGA

Sequence 3062

Table 2

AGGTGCGAGGAGGTGAGGCTGGAGCGCGGCCCTCGCCTTCCCTGTTCCAGCTTAGTG
TGTGCCTTGCCTAGTTTCACTTGATACTTTCAGGAATTATGTAGAAAAGAAAAGCTCAC
ATGTAAATCGATTGGAATCACCAAAAGGAATCTAAACAATTATGAGGTGGAATACTTGTG
TGACTACAAGGTAGTAAAGGATATGGAATATTATCTTGTAATGGAAGGATGGCCAGA
TTCTACAAATACTTGGGAACCTTTGCAAAATCTGAAGTGCCTGTTACTGCTTCAGCAATT
CTCTAATGACAAGCATAATTATTTATCTCAGGTAAAGAAAGGCAAAGCAATAACTCCAAA
AGACAATAACAAACTTTGAAACCTGCCATTGCTGAGTACCTGCCCCG

Sequence 3063

AGGTACTCCAAGACAGCCATCCATTTGTAGCTATTCTCGAGCCTGTTTGAGGATTAGAAA
GAGGATCTTTAATAATCCTGAACATTCTTGATGGGCCTAGAACAGTTTTCTCATGTTTG
GATTTTGTTGTTTTTACAAAAATGGTCATTTGAGCTGTAAGGCAAAGTGCAGCCTCC
TAGGCTGAATGGTGCAAAGACTGGAGTTTTTCCACAAGGAGCCCTCATCGTCCCAATGC
AATAGGACTGACCCTGGCCAAGCTGGAAGGTTAGAACCTTGGGAAATGGACAGATAT
CATGGCTGCAGTGCTGATGTCAACTGTGCTGTGTGGCAGGAGTCTGGGATGAATCACACT
ACAAGGACAAACA

Sequence 3064

AATACGACTACTATAGGGGCGAATTGGAGCTCACCGCGGTGGCGGCCCGAGGTACAAGTC
CTGGGCACCTCCTCTTTGCCCTCCCTCCTGCCCTTTTCTGCTGGTGGGGGCAGATCCTGC
ACACACAGACACAGCGTCTGCCCCGAGCCATTCCCTGGAGACCCTGGGTCTACCCAAGT
GGTGCATCTGGGCCATTTTGCCTTACTTCTCTGGAACATACCCACCCTNAATTACGTG
CCAAACCCGACCGCATTCTCTGCCCTGTCTGGAAGTGGCCCTGGCTGCCTGGAAGAC
CCTGGGTAGGTCTGAGGGTGGGATGGAAGAAAGGCACTGCTGTGGTGTGGGAGCAGTC
CTGGGGCTTTCTGGTGGCTGTGACCAGTTGAGGGGCTGTCTGGGTGGGT

Sequence 3065

CCGCGGTGGCGGCCGAGGTACTTACTGCCTCTTAACCAGTTTTTCAGGATGCCACATTCT
AAAACAACCTCTTCGAAAATATTGCTCTGTATACGAAGCTTGGACTCCTTCAGAACTACTT
TTGTTGAGCTGTTGGACAAATATCTTATTTCCAATGCTACACAACCAGAAAGTAAGNGT
TCTACTTTGAAAATGAAAGGAGATTATTTAGGTATCTTTCTGAAGTGGCATCTGGAGAC
AACAAACAAACCACTGTGTGCAACTCCCAGCAGGCTTACCAGGAAGCATTGAAATTAGT
AAGAAAGAAATGCAGCCTACACACCCAATTCTGCTTGGTCTGGCACTAAATTTCTCAGTC
TTTTACTATGAGATTCTAACTCTCCTGAAAAGGCCTGTAGCCTGGCAAAAACGGCATT
G

Sequence 3066

AGGTACTCAAAATTTCTCCTNAAATAGCACCNATANGATCNAGATTGAGATAANNCTACA
AGNNCTACATNCGACAGATNTCNTNTTAGNCTATGCCTTATGNAACTTGCCTNCAAAAA
NTCTGAAAGGAGTTACTATGCTAATGCGCTGGGCATGAATCCAATTCAAACCAATCTGG
TGGGCCCCCTCATGGCTCANAAATACTCTGNGTAGGGCTGGCTGTTACTGCANTCACGGAC
NCTG

Sequence 3067

TACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCGGTCA
CTTACGCGTCAGAGCAGTGACTTTGATACGCAGTCAGGTTTTTCCATTAAATAGTCAGGTC
TTTGCTGCAGATGGTGCCTCCACTGAGACTTCCGCATCTGGGACCTCCCAAGGAGAGGCT
TCAACTCCAGAGGAGTCTCGAGATGGGAAGAAAGATAAAGAAGGGGACCGGGCCTCTGAG
GAAGGCAAACAGAAAGGCAAGGGCAGCAAACCTTTAATGCCTACCTCCACTATCCTTCGT
CTTCTGGCAGAGTTGGTGAGGTCTATGTTGGTATTGCTACCCTGAT

Sequence 3068

CGCTCACAATTCCACACAAACATACGAGCCGGGAAGCATAAAAGTGTAAGCCTGGGGG
TGCCTAATGGAGTGAGCCTAACTCACCATTANATTGCCGTTGCCGCTCACTTGCCCGCTT
TCCAGTNCGGGGGAAAAACCTGTCCGTGGCCAAGCTTGCNATTTAAATGGAAATCGGGCC

Table 2

AAACCGCCGCCGGGGGGAGGAGGGCGGGTTTTTGCCTAATTGGGGGGCCGCTCTTTCCCG
CTTTCCCTCCGCTTCACTTGAACCTCCGCTTGCCGCTCNGNGGTCGTTTCGGGCTGCN
GGCNGNAGCCGGGGTAATCAAGCTTCNACTTCAAAAGGCCNGTGAANTACCGGGNNTATT
CCCACCAGGAATTCAAGGGGAATAACCCGCCAANGAAAAAGAAAACAATTGTTGNAGNC
CNAAGGGGCCAGGCCNAAAANGGCCANGGNAACCCGTAAAAAAGGGCCCGCTTNG
GCTTGGGCCTTTTTTNCATTAAGGGCTTCCCGCCCCCCCCCTTGNAACGAAGGCATTCAA
CAAAAAATTCNGTACCGCTCCAAGTTNANGAAGGTTGGCCGAAAACCCGACCAGGGGNC
TTTTAAANGNATNCCCAGGGCCGTTTTNCCCCCTGG

Sequence 3069

GGAGCTCCCCGCGGTGGCGGCCGAGGTCAGCACTGGCCCATTCTGCAGATGGGGACATCG
AGTCACGGGCTGGCTACGAACCTCGGGGGCGAAGGTGGCGGAGAGGGATGGGTTCAG
GACGTCTGGCGCCCGGGGAAGGCTCGGCGGACGATTGCGGTGCGCAGCCAGTGCCGT
TCGTCCCTCAGGTGCTTGGCGTGATGATCGGGGCCGAGTGGCGGTGGTGGTCA

Sequence 3070

CCGGGCAGGTACTCTCTTTATGGAACGATCTGTGGCTGTTAGAGGCAGCTGGATCCT
CTTTCAGGCGGGAATGGGAGGGCGGGCACAGGGAGGAGGAGGAAGAGAAAAGGAAGAA
TTCATTTTTAATTTAGGTTTCTTTTTTCTTCTTCATTTGAGGCTCTAAGGTGTATGCA
GTTGTGACCCCATGTGTGGGGAAGTGTAGCAAGGACGGCTGGTGGAGGGGGAAGGAGGGT
GCGAGGTGTCTGTCTGATGCTTTAGGAAATGTCTACTGAGGACCCTGGGACTTAAGAAGA
AGGGCGGGGAGAGTGCCATTGCCTGTTTGGGAGACAAAATGAACGAAAACAGGTGACTT
TGAAAGCAA

Sequence 3071

CTTCTCCAGGCTCTGCTGGGGCTAAGTCTGCCTTCTAGAAAGGCTTTTATAAATTGTT
TAAGCCAAACATTTAACACATACAAGAGACCTTACAAAAAGAAGGAGGTAAGTCCTAAT
GCTGGAGAATTGGTTAATCAGGTGATATTGTAAATTCTGCTTCTCCAACACTCCTTCC
TCCGCGAGGTCTTTGTTAATCACCAGCTTGCCGTGTCTCAGGTAGTTACAGCACAGGCCCA
AAGTAGGTGGGGTCTCTGTGATTAAATAGGCGCCTGTTTCATCCTTGTCTGAGTCCAGG
TCGGGATCGGCCTGGCATAAGCGGTACCT

Sequence 3072

CTGAGCGATACTAAATGTCTGATGATGCTGGTGACACCTTAGCCACTGGAGACAAAGCA
GAAGTACTGAGATGCCTAATAGTGATTCTTTACCTGAGGATGCAGAAGTGCATTGTGATT
CAGCTGCAGTTTACATGAGCCAACACCAGCTGACCCCAGAGGGGAGGGGCATGAAATG
CAGCTGTGCAGGGTGCAGGGGCTGCCGCCATTGGGCCCCCTGTGCAGCCTCAGGATGCCA
ACGCCCTGGAGCCCCCTCTCAATGGAGACGTGACTGAGGATACACTTGCTGAATGTATTG
ATTCCGTACGCTTGAGGCAGAACCAGATCCGAAATACCCCTGCAAGAACAGAAATTATC
TGGCTGTGGATTCCCCCTCCAAGTGGAGGAGGATGGGCAGGCTGGGGATCCTGGGGCAAAT
NTCTGCTGTGTCAGCATCTGCCACAGTAGGTCATGGATTGACGGCAGTCAAGGAAAAAG
CAGGAGCCACTCTACGGGATTTCATGGTGTNAAATTCTGGATCTTCTGGAAGGAGCCCAAC
CAAATACCTGAAAACGGAG

Sequence 3073

AGGTACAACCTTCACTGAACCTGCCCTACCACGGNGAAAGCATTAAACATGCTNATTGCNCTG
CCNACTGANAGCTCCACTCCGCTGNCTGCCATCATCCACACATCAGCACCAAGACCATA
CGACAGCTGGATGAGCATCATGGTGCCCAAGANGGTGCANGNGATCCTGCCCAAGNTCAC
AGCTGNNNCACAAACAGATTTGAANGANCCGCTGAAAGTTCTTGGCATTACTGACATGTT
TGATTATCAAAGGCAAATTTTGCAAAAATAACAAGGTCAGAAAACCTCCATGTTTCTCA
TATCTTGCAAAAAGCAAAAATTGAAGTCAGNGAAGATGGAACCAAAAGCTTCAGTGAGCA
ACAACCTGCAATTC

Sequence 3074

CGAACCCCCCGTTCAAGCCCNGACCGCNTGCGCCTTATCCNGGTAACATATCGTCTTGGAG

Table 2

TCCAACCCCGGTAAGGACAC

Sequence 3075

ACGNGGTGGCGGCCGCGCCGNCAGGTACATCTAAAGGCATGAAGCACTCAATTGGGCAAT
TAACATTAGTGNTTGTCTCTGATGGTATNTCTGAGAATACTGGTTGTAGGACTGGCCAN
TAGTGCCCTTCGGGACTGGGNTCACCCCCAGGTCTGCGGCAGTTGTCACAGCGGCCAGCCC
CNCTGGCCTCCAAAGCAT

Sequence 3076

TTCTTTAACTACTGAAGTGTACCTANGTTAACAACCCTGTTGAGTATTTGCTGTTTGT
CCAGTTCAGGAATTTTTGTTTTGGTTTGTNTATATGTGCGGCTTTTCANAAGAAATTTAA
TCANTGTGACAGAAAAAAAATGTTTTGTGGTAACTTTTACTTTTTAT

Sequence 3077

AGGTACCGCAAGGCCCGGGAGGAGGCGCAGCGCTCAGCCCAGGAGAGGAAGGAGCGGCTG
CGGCGCGCGCTGGAAGAAAACCGCCTGATTCCCACTGAGTTACGCCGAGAGGCTCTGGCC
TTACAGGGGTCCCTGGAGTTTGATGATGCTGGAGGTGAAGGTGTGCCAGCCACGTGGAT
GATGAATACCGATGGGCGAGTTCGAGGGGGAGGCTGAGGAGGAGGTGGCCTANAGCCTTC
AGTCACTGGGGAAAGCAGGGAAGCAGTGTGAACCTTTATTCACTCCCAGCCTGTCTGT
GGCCTGTCCCAGTGTGTGCACTTGCTGTTTTCCCTGTCCACATCCATGCCCCGTACCTNCC
CGGGCGGC

Sequence 3078

AGGTACTGAGGAATGAATAGGAAGGCTTCCAGATGTCTAANNGGATGNNNNNNAANCTAC
TGAANNAGAAACCTATGTTAACAACCCTGGCGGAGTATTTGCTGTTTGTNCAGTTCAGGA
ATTTTTGTTTTGTTTTGTCTTATATGTGCGGGATTTT NAGAAGAAATNTAATCAGTGTG
GACAAGAAAAAATGCTTTATGGTAGCTTTTACTTCTTTATGAAAAAAAATTTATTTT
GCCCTT

Sequence 3079

AGGTACTGTGGGTGGAAGTAATGGATACGGACGTAACCATCTTCGCCGCCGCTGCTGTAG
CTCTTGCCATCAGGATGGAAGGCAACACTGTTGATAGGTCCAAAGTGACCCTTGACTCTT
CCAAACTCTTCTTCAAAGGCCAAATGGAAGAACCTGGCCTCAAACCTTGCCAATCCTGGTG
GAGGNTGNNGTTACATNCATGGCTTCCTGACCACCGCCANGACCACATGGTCATAGTTG
GGGGAGAGGGCAGCTGAGTTGACAGGACGTTCTGTCCGGAAAGTCTTCTGATGTTCAAAG
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CTATCCAGACTTGGCACTATACTGGTTGAAGCTTCTCCACTCTTATGGCCANCTAATGAT
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GAAAAACNTNGATNTTTNTTNCNCNCNAAGTNNGAAAAACAACNNGNNNTTNNGCGNNNAC
NTTANTTGNNTNTATGGAANANGNNGCNACNCNTTTTTTTTTTTTTNTATTGNTANNC
AGCNAAANAANATGTTTTTTTTNANTNTNTNTNCCCCCCCCCCCCCCCCCCCCCCCC

Sequence 3080

AGGTACTCAGATAGTTACATCCCTATATAAAAAGTATGTTTACATTTAAAAAATTAGTAG
ATAACTTCCTTTCTTCAAGTGACAAATTTCATTTTGACTTGAGTCAACTTTTGTTTTGG
AACAAATTAAGTAAGGGAGCTGCCCAATCCTGTCTGATATTTCTTGAGGCTGCCCTCTAT
CATTTTATCTTTCCCATGGGCAGAGATGTTGTAAGTGGGATTCTTAATATCACCATTCTT
GGGACTGGTATACATAAGGCAGCCGTGAAACTGGAAAGTCATTTTGATGACTGATGTGAT
ACATCCAGAGGTAATAATGCATTTAAACATATTAAAGTATTTGCCAAAGATACAATTTCT
TGCTGACATAAAAATCACACAAACAAGTCCCCCCCCAAACCACAACTGTCTCTCAAATAGC
TTAAAAAATTGAAAAACATTTTAGGATTTTCAAGTTTTCTAGATTTTAAAAAGATGTT
CAGCTATTAGAGGAATGTTAAAAATTTATATTATCTAGAACACAGGAACATCATCCTGG

Table 2

GGTTATTTTCANGGAATCAGTCACACATGGTGTGGTGTGCTGGNAAATAGTNTAAATTAAN
CAAAGGCCCCNTAGTTTTAACTACTTTGGGGGGGGTGG

Sequence 3081

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCGCCACGCCAGCCCTGTGCTGGCCA
CGGTTTCGAGCGGCCGCCCGGGCAGGTACAGTCTGCTGAACCTTGGGCATCCTAGTCATGC
CACCCACAAGAATCACTTCTCCTATGTCACTCTTGCTGACTTCTGCATCTTGCATAGCTT
TTTGGCATGGAGCGATAGTNCCTTCTTGATTAGGATCAGNGGACAANTNCCTTCAAATTN
GAGCACGGGGTCAAACCTTTCATATTCAAATGCTTGGGTCCAGAAGAATCCATTGTAAGAT
AGGGCAAATTGATGTCAAGTNTGCACAGATGAGGAGAGTTACATTTAGCCTTTTCAGCAG
CTTCCCGTACCT

Sequence 3082

AGGTACTGAAAAATNAACATCAAGCNAGNTTNTGCCCTTNTGCTCNACGGGAGGTTTCTGT
NNTNNTGANCCTCNCNTTATGACACCTNCNTTACNNTNTGACAGGTGTACCTCN

Sequence 3083

AGGTACAGTAGCCTGAACAATTTTCAGGGGGGCGAGGTGCTCATCGTATACCATTCATAC
ACTGGCCAAAAGGGAAGGAGGCCACATAGGCATTGGAGTCCACACACTGCTTCATGTTGC
TGCAACCATACACTCAGAGCTGCCGCTGGTGCAATCTCCACATGCTGTCCTCAAGGCAC
ATGGTGTCCGGCACTGCTTAGCACTGTGGTTTGCAGGCCTTTCACAGACACTACCATTTGA
GTGGGTTGATGCAGGTTGCAGCCTTCAGTCCCCGAGTACCCTTGAAGACAAAGTTATAAT
CTTCCTCAGTTCCATTCCCCATCTTGGCTCCGCATGGAGGGTGCAGGTGTCTTCGGGGAC
AGAGGCGACAAATCTGTGTGTTGGCTCAATGCCCTCAACCCTCAGCTCTCAAAGATCTG
GTCTGCCCCCTCCTCTCATTGGGGGTAAGGGGACTTCTGCAGCCAGAGGGATTGGGGACC
T

Sequence 3084

CCGGGCAGGTACTTCCCAGGAACTGGGGACCTACGGGATATCGGGGCTGGCAAAGGCAAG
CTGGACGTCCAGTTCTCAGGACTACCAAGGGGATGCAAGTGCAGATGTGGACATCATC
GACCACCATGACAACACCTACACAGTCAAGTACCTT

Sequence 3085

ATNCTGANCCACCTTTGGAAGAGCTGGGCTACCACATNTACTCCANCGACCCACCTTTNG
AAGTTCNTGGTGCCAATCAGTGGATCAANTTTAAGTCANNNCNNTTNANGGGAGGAGAANG
ATAGGTTATANCTTCAGGGGGCTACCANACAGTGTCTCAACTTGGTTAANGAGGAAGAA
AACCAGTCAATGAAATTCATGAAATTCCTGNAACTTCCATTAANTGTGTNNATNGAN
CANGTNATANTTGCNTGCAANTTGTACCTCGGNCGNTCTAAAACTAGATGGATCCCCCG
GACTGCATGGA

Sequence 3086

AGGTACAGTCCAGTCCTTGGGAGATCGACCTGGGACTCCATTGAGAAATCTTGAAAGNG
CCAGCTTTGGGAAGAAACAGCCTTGAGGGGAAGGGTGGGAGGGCCCCGGCTTACGCCCCCT
TAACAAGAATGGGAAGCCAAGCTTCAANCGGGGGANTCCCCTGGCTTGGCAACCTTTGG
AGGTCNAGAAGCTTGGGCANCAAGAACCCCGGGGCCAAGGAAGGGGGAACAAGGCCGGCC
CAGGCCCCAGGAAGNTANTGGAGGGCCCCCTGGCTTGGAAACAATCCAAAGGGTCAAGCT
TGGGAAGGCTTGGAGAATCGGCCACCCTAACCGGCCGCCTGCTTGGGAAAGAATGGGCNA
GGGACTTTTAAATCTTTGGGTGGATGCCCTTTGGGACAGCAGCAAACTNCCATTGCCAAA
CCCATNCCAAAAAGAACCACCCACCCCGCCCGGATAG

Sequence 3087

AGGTACAAAGTGTATGCACAACGGTGGCATTCTACCAGCCACACAAAGCATGCTCAAACA
GATGTACACAGTTCACTCACTCCATTGGCATGGCAACAGGCAGGTTTACGGGATGTTTCC
CAAATAGTGGTTNTTANCAGNTCCAGCACCCACTTGTGGAATTTTGTGAATTTTGA
AAAAAANAAGNTGTAAATTTATNGGAATNCAGGGGATTTCAAAAAGTAAATTCATT
TGTATCGCAATTTTACCCCCANCAAGAGGGGNAACNTGGTATGCCGACTTGNA

Table 2

ACCTTNGGCTTATTAGGATTAGCCTTTGNATTGTTCCCNAAATTANTTTTCTAAAACCAT
ATTNNATGGCNCCAANCTTCTTCTCAATTNTTTTTTCAAAGTTTAAAAAATTCNCANGC
NTTTNTCAATTTCCCANCTNNGNAAGTAAAAAACNAANCAACNAAATTTTTTTTCCTTA
AGACCNCCTTNCAAAAANGAANACCAANCCCAAGGCNTTTTGNTNTAACCATTTTTTTTC
C

Sequence 3088

AGGTACACACCCGCCGTCGCTACTACCGATTGGATGGTTTAGTGAGGCCCTCGGATCGGC
CCCGCCGGGGTCGGCCACGGCCCTGGCGGAGCGCTGAGAAGACGGTCAACTTGACTAT
CTAGAGGAAGTAAAAAGACCTGCCCG

Sequence 3089

AGGTACCTTTTAAATTGCATGGGTAGTTTTAAATAAATGGAGAAAGCACCTTTCAGAAGCT
ACACTAGCAGGAAAAAATTCATCAAGCATTTACATAGTAAATTTCTATAATTTCAAAA
AGATTCTTGATCTTANCTTGAAAGTNTTACCTTGANGGGGAAAAAGAGCNCCTCTCAGN
CTAGGTTGTTCCNNGTTTGCTTTACAGGAAAGTCANNACTAAAAGNGACCTAAAACTGG
GAGGGCAAAAGCCCAAGGGATGGCCCAAAAAAAGTGNGGGAAAGGAAAAATTGAA
TNAANGAAACCCANTTTCCAATAAAAAATTTNCCCANTGTTCTTACCTTTTACAAATG
NNAACAATTTTTTGGTCCTTAAATTGGACCCCTTTNTACNNTTAAATTANAAGNTTAA
TTATTTNTAAGGGGN

Sequence 3090

CCGCGGTGGCGGCCGAGGTACTTTGCCTACGGCAGCAACCTGCTGACAGAGAGGATCCAC
CTCCGAAACCCCTCGGCGGCGTTCTTCTGTGTGGCCCGCTGCAGGATTTTAAGCTTGAC
TTTGGCAATTCCTCAAGGCAAAACAAGTCAAACTTGGCATGGAGGGATAGCCACCATTTTT
CAGAGTCTTGGCGATGAAGTGTGGGGAGTAGTATGGAAAATGAACAAAAGCAATTTAAAT
TCTCTGGATGAGCAAGAAGGGGTTAAAGTGGAATGTATGTTGTAATAGAAGTTAAAGTT
GCAACTCAAGAAGGAAAAGAAATAACCTGTCTGAAGTTATCTGATGACAAATTACGAAAGT
GCTCCCCCATCCCCACAGTATAAAAAGATTATTTGCATGGGTGCAAAAG

Sequence 3091

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACAGCCTGAGTAACCAAAGATAA
CACTAATATAATGTATGGGAAGGCGTAATATAAAAAGCCTCCACCAACTGCCTGAAGCAC
GGTAAAATTGGGAAGAAGTAAAGTGCAGCATAAATACTTTTAAATCGATCAGATTTCCC
TAACCCACATGCAATCTTCTTACCAGAAGAGGTCTGGAGCAGCATCATTAATACCAAGCA
GAATGCGTAATAGATAAATACAATGGTATATAGTGGGTAGACGGCTTCATGAGTACCT

Sequence 3092

AGGTACAGAGGCCCCAGTTACTACTGGTGTAAATTTGTAGTTTCAGCTGTGAGTCATCT
AGCTCACTTAAACTGCTANAACTTATGGCAAGCAGCACGGANCAGNGCAGTCAGGCGGN
CTTAATCCAGAGNTAAATGATNAGCTTNCCANGGGCTCTGTCTTAATCAAGAATGATCT
ANCCNAAAGTTCAGAAGGAGAGACAATGACCAAGACAGACAAGANCTCNAGTGGGGCTAA
A

Sequence 3093

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGTGTGGCTTGGTC
ACTTCGTGGCTAAGGTAAGAACGTGCTTGTGGAAGACAAGTCTGTGGCTTGGTGAGTCTG
TGTGGCCAGCAGCCTCTGATCTGTGCAGGGTATTAACAAATACCAAGGGGAACAGTTAA
CTTCAATACAAGGTCAAATCAGCAACAAGTTCTACAATCCAGTGCTGATATCAGATACA
AGCTTCAAGGACAATTTCTTTTGAAGGCTTATCCAGTTTCGTGAGGCTAGCATGAGGT
GTGTGCATTTGCCAGGGGCAAATTTCTATTCTCAATTAACCCATGCAGCAAATGCTACGC
ATCTGCTGAGTCCGTTTGAAGCATTTGCGGTGGACGATGGAGGGGCCCCGACTCGTCG

Sequence 3094

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACTTAAACCACTTGATAAC
GCCTTCAGTAAAAGCAGCACCAATTGCTAGGCCATCGCTGAAATTGTGCAGGCCATCACC

Table 2

CATTATCACCATCCAGGCCAAAGTGGCTGACNCCGGCATCTTTCANGCTCCTCCCCTATA
GTAGCCGCTGGCTGTGACTGTGAGGATGGTGGTTTTGGTGGTTGGTG

Sequence 3095

CCGCGGTGGCGGCCGAGGTACATACCTCTCTAGTATGTTCTGTGACTCTGCTCATTACAA
TCCTGTGCTCTACATTGATCCTTGTAGCAGTTTTCAAATATGGCCATTTTCCCTATAAG
TTTTATGTAGTTAAATGCTTCCTAGAAACCTAAATAAGATCTATTAATTTCTGACGAGAG
GTGTTCTTCTAGAATTAATTACTTTTATCTTTTGTCTTCATTTGTGGCCAAAATTATGTT
TACTAGAGGAAATTTGGGATCATTCTCAGCTAATTCAAAATGTAGTGCTCTATTGCATG
GATCCTTGGTAATCCTCAAGCATCAGATGCCATAAGGGGAACTTAATTCTGCTAAATTA
ATGTTTATTTTGTGAGAAGTGACTTTATCTTCATTTGGGGTAGAAAAATTATT

Sequence 3096

ATACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCACATCACAATGTC
ATTTTGATAGGAGCGTTTTGTATTTTTACAAAGGCAGAATGGGGTGTAACAGTTGAATTA
AAGCTTAGCAATCACGTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ANGCTTGACCTN

Sequence 3097

GCGCAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCATTGTTGATTGATAAGTATGAG
ATACATTTTTTATGATGTTTCATCACAGTGTGGTAAGGTTGCAAATTCAAAACATGTCACC
CAAGCTCTGTTTCATGTTTTGTGAATTCTAGGCTGGTGCTGCACTGAAATAGAGCAGTAA
GCTTGTGATAAAGGCCAATTCAGGTAGCTCTTGAAGGTGATGGCCA

Sequence 3098

ACTGAGATATCCACATATTTTTGAGAAAAATTCCTAAGCCAGGCGAATGTGGATTGGAAT
AAAGACATAGGCNGTGTATACCACCATAGCAATAANGGTTAGTAAGATGGTGTAAACAT
ATNATCGCTCCCAGGGCTCTAAAA

Sequence 3099

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGCTATAGCTAANTCAA
CTAAAAATCAGTTATGTAGTGTNGCTCAACAGATGTACTGTGCCCTGACCTCAGCAATGA
TGCTGTCCATGTCCAGGGAGCGGCTGTTGTCCATGGACAGCACCACAGGTGTGTCCCGAG
ATCTGGGACTGCAGCTCCCGGATCTCCTCTTCATATAGCTGCCTGAGGAAGTTGATCTCG
TCGGTCAGCCCTTCCAGGCGAGACTCCAGCTCTACCTTGTTCATGTAAGCTNCATCCACA
TCCTTCTTGATGAGGACAAATTCGTTCTCCATCTCTGTACCTNN

Sequence 3100

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAGCAGGATTACCATGGCAACAACAC
ATCATCAGTAGGGTAAACCTAACCTGTCTCACGACGGTCTAAACCCAGCTCACGTTCCCT
ATTAGTGGGTGAACAATCCAACGCTTGGTGAATTCTGTTACAATGATAGGAAGAGCCGA
CATCGAAGGATCAAAAAGCGACGTCGCTATGAACGCTTGGCCGCCACAAGCCAGTTATCC
CTGTGGTAACTTTTCTGACACCTCCTGCTTAAACCCAAAGGTCAGAAGGATCGTGAGGC
CCCGCTTTCACGGTCTGTATTCTGACCTGCCCGGGCGGNCGNCCGGGCAGGTACAGGGAG
GAATTTGAAGTAGATAGAAACCGACCTGGATTACTCCGGTCTGAACTCAGATCACGTAGG
ACTTTAATCGTTGAACAAACGAACCTTTAATAGCGGCTGCACCATCGGGATGTTCTGATC
CAACATCGAGGTCGTAAACCTATTGGTTGATATGGACTCTAGAATAGGGATTGCGCTGT
TATNCCTANGGGAACCTTGTCCCGTTGGTCAAGTTATTGGGATCAATTGAGTATAGTTG
TTCGCTTTGACTGGTGAAGTCTTANCATGTACCTT

Sequence 3101

CCGCGGTGGCGGCCGAGGTACAGAACTTACCGGCCTAGTTCTGCCTCACAGTGTGTGGG
CTGGTATTTGCTTTGTGCAGAGATCCCAGTTAAACCAAGTGGGCCAGAACTCATTCCCTCA
GCTGGTGGCCAATGTCACAAACCCACAGCACANGAGCACATGAAGGAGTCGACATTGGA
AGCCATCGGTTATATTTGCCAAGATATAGACCCAGAGCAGCTACAAAGATAAATCCAATG
AGATTCTGACTGCCATAATCCAGGGGATGAGGAAAGAAGAACCTANTAATAATGTGAAGC

Table 2

TAGCTGCTACGAATGCCTCCTGAACTCATTGGAGTTCACCAAAGCAAACCTTTGATAAAGA
AGTCTGAAAGGCACCTTTATTATGCAGGTGGTCTGTGAAGCCACACAGTGTCCAGATACGA
AGGGTACCTCGGC

Sequence 3102

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGAGGACCATCCTACCA
GTGGGGCCACGTCTCAACGGTTTATCCTTCACCCATTTTCTGCACGTATCCTGAGGTA
AACCAATTTTAAATGTGTTTGTTCAGTAAACCAGCTATGACAATTTATACTAAACAAA
TTGAACTAGAACCCATTTGAATAGGTTTTGAATTTGTTTTTCATTTTTCATTTTAAATA
CAAAGGCCTGACTGTGCTCAATCGTCAAGCTGCATGCATGAAAACTGGCCAGCCCAAAC
AGTGTATTAATCATTAGCAAATGGAACTTTAAGGAGTCCTTATCATTAAAGGTAGTACCTG
CCCGGGCGGCCGAGGTACATGAAACTCCAGCAGATTTAATATTGGCATCCATCATCTAGT
CAAACCTCTCACATGTTCTTCAAATCAATCAAATTTGGGATTCTCAACATTTTCTGTGTC
AATAAAAGGTGTGGAATTAGTAGATTTCATGAAGACCTGTTTTCTTGCCACATTGGAC
TTNCAGACGCCATTTGGATTGGGTTTGAAGATGGGGAAATTTAAAGA

Sequence 3103

CCGCGGTGGCGGCCGCCCGGGCAGGTACAGGGTTCCTGTAGGGTAGTCTTAAGTCCTAAG
AGGCACCAAGCGGTTACAAAGGCTAGGTGACAATCCAAATCACAAGGTCCGACGATATAA
TAAATCCCGTGTTGCCTTATCAACTTTTTGCTGGTAGTCTCCAATTTGTCAAGTATTTT
CTGGGACAGTGCGATGTTGTGACTGTTGGCACTGTTCTCTCCAGAGCTTGGAGAAGCTG
ATCAATAGAGGAGTATGGAAGCCACACCATTGGGGCTGTTGCGGACAGTGGAACCTCAAT
TCCNAAGTATTGATGTCTTTTCCCAATACAGCATCCACATATTCTGACACCAAATCCAC
AGCTTCTTCTAAAAGGTACATAGTTTAAGTATAAACGAAGCAATTCAGCAGCATCAACCTT
CTTGTAAGTGTATAAGCCAATTAGGCAGAGGCGCTCCATGAGACAAGAGCTTGTGAT
TACACAGTGGTGATACAAGTTATTCTGGACTTTGTACCTCGGCCGCTCTAGAATA

Sequence 3104

CGAGGTACCTCCTCAAGGTTCTCCAACCTATGGGCAGTTCAGTAATGGGGACACAGATGAA
CGTGATAGGACAATCTGCTTTTGGTATGCAGGGTAATCCTTTCTTTAACCACAGAACTT
TGCACAGCCACCAACTACTATGACCAATAGCAGTTCAGCTAGCAATGATTTAAAGATCT
TTTTGGGTGAGGTGTCTTACTTCTATTTTGAAGGATTATTTCAAGTTTCAATCATGGGTGA
GCTGATTTACATCTTTATATAGTTGGCTTGGAGGAAGCACCT

Sequence 3105

GACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTCAGAAAGTAAGGT
GTTCTACTTTCTGGTTGTGTAGCATTGGGAATAAGATATTTGTCCAACAGCTCCAGAACA
TCATTGCAGATGTCTGCAGTTCTGCCTCTATCTTCTCACGGTACCT

Sequence 3106

AGGTCNCANCANNTGGGGAGGAGCCAAAGCCTNNGGCGCTCACCTAAGCCGCAGGGAGATA
CACCCAAGTGGGAGATGAGGAAACAGCAACCCAGAGAGGANAACCTAACCACACAGGATC
ATTCGTGAAGGAGCAAGGCTGAAGAACCAAGACCTGGACTTTCTTANGACAACTTACT
GCANCTTGAAGGANCCAACCATGGATTTGAGGCGTGTGAAGGAATATTTCTCCTGGCTCT
ACTATCAATACCAATCATTAGCTGTGCTGTTTTAGAGCCCTGGGAGCGATCTATGT
NTAACACCATCTTACTAACCATTATTGCTATGGTGGTATACACTGNCTATGTCTTTATTC
CAATNCACATTCNCCTGGCTTGTGAATNTTCTCAAAAA

Sequence 3107

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAATAGCTCATCTA
GGCTACCACAGTTAAGTCTGAAGCAGGGCTGTGGCGTGGGTGAACTACAGTATTTGACAT
CTTTATACGGATTAAGGAGTTGGGTCAGGAAACCTGATGACCCAGGAGAGAATGAAAAAA
TTAAGTCACCAATTATTATTATAATAGTCACCAGATCATTTGACACATTAAATTTTCACT
CTTGGCTTCAACTTAAGAATATAGAGTTTTAGGAAAAATGTTTTCCATATGCATAAAAAAC
AAGAATGGAGGGATGCAGACCAGCAGCTATTTTCTGAGAACAAAACATCAGCCCATGTGT

Table 2

TGCTTTACACTTTTAA

Sequence 3108

ANCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGG
GGACCCGGCTGCGGTGGCTGCGGGACTGACGAGTGAGTCTCGGGCTGGGGCGGAAACGGA
GCTCCGGGAACTACTAAAGTTCCTGGGGAAGCAAAGTANAATTCATAAGAACAAAATG
GGATGGAGAGGAGAAAAACCTATGGTGGCTGTGAAGGACCTGATGCCATGTATGTCAAAT
GATATCATCTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCATTAACATCAGGCAC
GATAAAGCCATGTTGAGTGGCCAGGTCAAGTTTGTCTGAGAACGAAACCAATGGAGGTCA
ATTTTGNAGAGATACCTTCACATGTGCCTATCGCAAAGTATGGCATGGTATTTTT

Sequence 3109

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGCTGGTNGGACCTATT
CATGCATCTTACCAGCAGCTGGTTGGACCTATTCATGCATNTTACCANCAGCTGGAGC
ATNTCCACCCCTGGTATTNCTGGNGTAAATTACTTGAGCTCTGTGCTTNGAAACAGTTN
NGATAAGTCCTTTACTAACGAGCTNCTNAAGGGCTNCCCTGGCCAGGGAGCCTCGAATC

Sequence 3110

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGAACAGTGG
CCCAAANGCCACTGATCAAAAATAAATAGTGGCTGTATATCAATGAAATGAANTCCAAG
AAGCTTTAACCCTTTGGCATCAGAAATCCAGATTTTTCCAATTATGT

Sequence 3111

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTATTGGCACAATTCGG
GCAGCCTCCAGGGCTAGGTAGGGAGAAGAAAAGCANCAAAGTGAGAGAAGATAATAGAGA
AACATTCACCACGACTATCTCCAGCTCAGGGGAACTGTGTTGGCTGAGTTTTGAAGGCT
CATGTTTCATCAACTCCCAATCCAGTGCAGTGTATGTGGGTGGGGTTGAGGGAGCACGG
AGGAAGGACTGGGGGGTGACNAACAAAGAATCCTGCCTTACCTTCAGAGGACAGCTGCTC
ATATTCATCTGACACCATGTGGCCACAAAGCGGAAACTCATCCACTTTTTGCCTTTTTCC
GCCCCAGGTCAAAAATGCGAATCTTGGCATCTTAAAGGATTGGGTAAA

Sequence 3112

CTACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTGTTT
GTTTTCTGAAAGCTTTGTGTTTTCGGTGAGCTCTCAGAGCCGATTCTAGCGTCCGTGCC
GGGGACAGGTGTCCAGAGGTCCGCTGCTGCAGACATGGCGGCCTCCACCGCGGCGGGAA
GCAGCGGATTCCCAAAGTGGCCAAGGTGAAAAACAAAGCCCCGGCTGAGGTACCT

Sequence 3113

CCTACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTTGC
GGGACGTGGACGGAAGAAAAAGAGAGTGAGCGAGCGCCGGAATCAGCCCGGCGTGGAGT
GCGGACCCGCGGTAGTGCCAGGGGGCGAAGGCGGCGGTGGTGAGGAAGATACTTTGGTTA
GTGACCACATCGCAGCATGTTGAGTCAAGTTTACCGCTGTGGGTTCCAGCCCTTCAACCA
ACATCTTCTGCCCTGGGTCAAGTGACTTCTCAGCTTCCTGGACCATACGTTCAATGTCT
TCCTTGCTCAAACGGCCCTTGTCATTAGTGATAGTAATCTTGTTCTCTTTCCCGTACCT

Sequence 3114

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACGGATAAACAAG
TTTTCCAACACTAATTCAAGAACCTCTGAGAGAGATGCATCAACCTTGAAGAAATTTTC
AGGTCTAGCCATGGCTGGTAGTTTTCAAGTAGCAAAGAAGGCCTATGTCGTTTACATTTT
ACTTTACCACAAACAGCACAGCTATGACCTTGAGGAAATAATTCTGAAGTCCTAACTGC
TTGGGTTTGTATTTTATTGTGAAGAATATATTTGTAAGAGAGAATCAGGTCCTAGTGAG
CAGTAGAATGTGACAACTCCAGCAACACCT

Sequence 3115

AGGTACGCCACATCCTGTGCTAACAACTTTGCAATGAAAGGAAAGCGGAAGACGCTGAAT
GCCAGTGATGTGCTCTCAGCCATGGAAGAGATGGAGTTCCAGCGGTTTCGTTACCCCATG
AAAGAAGCTCTGGAAGCATATAGGCGGGAGCAGAAAGGCAAGAAGGAGGCCTCAGAGCAA

Table 2

AAGAAGAAGGACAAAGACAAAAAACAGACTCGGAAGAGCAAGACAAGAGCAGGGATGAG
GACAATGATGAAGACGAAGAAAGGCTGGAAGAAGAAGAACAGAATGAAGAGGAAGAAGTA
GACAACCTGAAAAGGGCGGGAGACTGTGGCACCTTGAAGGTACCTGCCCCG

Sequence 3116

CCGCGGTGGCGGCCCGGGCAGGTACCTAACAAACCCACAGGTCTAACTACCAAACC
TGCATTAAAAATTTGCGTTGGGGCGACCTCGGAGCAGAACCCAACTCTNAGCAGTACCT
CNGNCGCTCTANAACATNNGGATCCNCGGGCTGCNTGAATTCNATATNAAANCTTATCN
ATACCGNCGACCTCTANGGGGGGCCNNTNCCNGCTNTTGNCCCTCTNTTGAGGGGTAA
TTGNACGCTTGNCGCNTTCATAGANATAGNTGTATGNTGNGTACNNCTAAAGGGCATCCA
NGACCTNTANNATNATNCAACNATTTTGCATGCCAGNNAAANCATTTGACTGNCCAAGA
AAAACATCTNATTCCTTTTGTCTTGAATATCCCTGCTNACGCNCTTTATNAATTATATT
TGCCACAGATGANTCCCTNCATNAACTAAGAAAAGCCNGTTTTCTTTATTTNAACTTGG
TGGCGAATGTGTTGCCGGGTCTGTAGGGCTGCTTTCTGGATTGTCTCCTAACCTCTAG
TTTAATTGGA

Sequence 3117

CANTTGCCCCCTGGTAACGGGGGAGGCAGCAGGAGGAGGAGGAGGAGGAGGACTCGGCGG
GAGGATGGGCTTGCTCTCAATTTTGCGCAAGTTGAAAAGTGCACCANACCAGGAGGTGAG
AATACTTCTCCTGGGCTTGGATAATGCTGGCAAGACCACTCTTCTGAAGCAGCTTGCATC
TGAAGACATCAGCCACATCACACCTACACAGGGTTTCAACATCAAAAGTGACCTCGGCC
GAGGTACACTTGAACCAAATTTCTAAACTTGTTTTTCTAAAAAATAGTTGTTGTAAC
ATTAACCATAACCTAATCAGTGTGTTCACTATGCTTCCACACTAGCCAGTCTTNTCACA
CTTNTTCTGGTTT

Sequence 3118

CGAGGTACAAAGGTTCCAAGGGACAGGACCAAGAACGAGGGGCTGAGACATTTACAACAG
CAGGCATTTTCTCTTNTCTTCTTTCACGGGGAGGCGGGCAGAGGACTGCTCGGATCGCT
TCGTCAAACACTGCTTGAGGCCCTCGCTTGTGTGAGCGCCGAGCACCTCCAAGGTATTTT
ACAGCACCCAATCTTCTTTANCCCATGGCTAGACCTTGCNGATAGGTGATGGGGAAGT
CAACTTCTTCTTCTTCAAGTTTCTCGATCGTGGTCTTTATCATTCCCTAAAGATCAAAG
TTTAATTTCCCACTTAGGATGATGGGGAGTGTGGGGACAAGTGGGTGCCCGCACCTNA
AGGATACCACTTTTGCACCGGACATTTTTCAAATGATGGCAGGGACTCACAANGGGAAA
AAGCCAAATTAAGAACACCATTTNGGCAATCNGGCTTTGTCTTTGCCCCGGGGAGGGTTA
TTATTCTTACCGGTACCTTCGGGCCGCTTCTAAGAACTAGTGGGATNCCCCCGGGGCC
TGCAAGGAAATTCNATATCAAAGCCTTAATCGATACCCGCGACCTCCAAGGGGGGGGCC
CCG

Sequence 3119

CGCGGTGGCGGCCCGAGGTACAACTCGCATTATGGCTTGGTTTCCCAGAAGATCTCCA
TTTAACCTTTTTAAAGAAAGTTTATTGCTTCTTTAACCTGCATTTTTCTAAGTTTTT
TTCACATAAAGGTGCTGTCTTTGTGGCAAGGCCTAGGCATGACAATCGGAGGACTCGAGG
GGGATGGAGGACTAGTGATCGGCTGGCTGCTTCCAGTCGATTAGAGAGGTGAAAAAGCTG
AACGTGTGCCAGTAATCTTCAAAGGCAGAACATATCACCTCTGCCCCGTAACTGTTCT
CTCCGAGGGAAAAAATGGAAGTTATCCTCACAGTTCACTGCCGTGGTATTCTTCTGTCC
CATGCTTTCATGACTGCCATGGTACCTCGGC

Sequence 3120

CTCCACCGCGGTGGCGGCCGAGGTACTGGAAGACAGTGGTTCTGATGGGTTCAGCCCTNT
ANGAACTGACCCANTGAAATAGCGGGGTTGCAGGCANACATTGANCTGCNANACAATGG
GAATAACCTTNGTGTCCACCTGTGGGGGACTGATTCAATACATATGCACGTCCACANCAG
AGAATGCCATGCTGGCCTGCTACTTGGGGC

Sequence 3121

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACCAGGAATCCTG

Table 2

AGTTCCTGTGAAAATCTGTTCAATCCAAATCTGTTAAGCATTTCCAAACATCCAGAGAATG
GTTTCACTGTTGAGGGTGCATGTGGCAGAAATCTGTCTCTCTGCACCTGTCTTCTGTTA
CCATCCCTGGACAGTGACAGATTTTAAGCCAGCCACCAGAATTCTTTTCGAGTTAACCAT
TTCTTAGTTTCTGTAAATTCGTGACTTGTCTTACTGAACTACAGCCTGGTTTGAGACTT
CCAACATCTACACTGCTGCTCTTCACCATTGGAATTCAGTGTGGTATTTATAGTATTGGC
TTCAGTCCGAGCCACAGGCAATAAAAGGATATCAGCTGTAGTTCTCAGCTACATCATGGT
GTATAGATGCTGTTATTCAGGCCAACTTGCTCATGGGTGGACTAACACCTGGTTTGGTAC
CT

Sequence 3122

AGCTCCCCGCGGTGGCGGCCCGAGGTACTATGNGTGGTTCACCCACTGTCTTACTCTCTA
GGAACACTGAAGTGATTNGTTTGCGNGCNCCTGCANNACAGCNCCTTGGTCCCCTCTAAACA
TGCCACCCACACGNTTTGTNACCTGAAAAATCTATNNGTATCACTTTCTNCAAAATGG
CTAGGNGCAAGNCTACGTCAGAATTAATCGCTCCCTTTCCCAAGTTTCCACATNTTATTN
TTTGACTTATCCAAATTTCTACCACCTTTGTTATTGCTCCTGCTTACATTCTGCCCATAT
TGAACATGTGGGTATATGCCAGGCTCTATGCTTTCTCTTTATTATTNTATTGCCCTCTTA
TGTAACCCCTACAAAAATGTTTTTTT

Sequence 3123

AGGTACAGCCTAGAAGAAAACAGAGAGATGAGCAGCTTCTGACAAATGTCCTGGAAACAC
TTCGAGGTGATGGAAATGTGTTAATAGCAGTGGACACAGCAGGCAGAGTTTGGAACTTG
CTCAACTTCTTGATCAGATTTGGAGGACTAAAGATGCAGGATTGGGTGTTTACTCATTGG
CACTCCTAAATAATGTCAGTTACAATGTGGTGGAGTTTCTAAGTCCCAGGTAGAATGGA
TGAGTGATAAATTGATGAGATGTTTGAAGACAAAAGAAATAATCCGTTTCAGTTTCGCC
ATCTCTCTTTATGTCATGGTCTTTCTGACTTGGCCCGGTACCTCGG

Sequence 3124

AGGTACAGATGATGGAGAGTTTGGCCTCAAGTTTTATAAACTGAGCGAGACTAGTGTTT
AGGATCTCCTCCCTTGTTAAATGTCAATAAATGCCCAACTGCTTATTAATTGACTGTG
CCTTGGGAAACAGTGGGAAGTAACCTGGTGCAGCACTGGGGTATTGTTGGCTTCTTGTT
TGGAACCTTTGTAATGTAAAAGGAAAACTGGAAATCCCCACGCCCTGTTCCCTTTATC
GTCTTGTTGGTTGGACTGGTTCAATTCGTTTAACTCGAATTCCTTGCTCCTGGCCGTGGTTA
AGCTGTGTACTCCTCAGCAGAGCTGGAGGACAGCAAGGCCAGGACCAGCCCC

Sequence 3125

CCGCGGTGGCGGCCGAGGTACCAAAGATTTAATTAAGTAAGTGGGGATCGAAGCCTAG
TAACTCCAAATCCGAAACTACATTAGAAAAATTAAGGGAGAAATTGCACACTTAAAGAC
ATCAGTGGATGAAATCACAAAGTGGGAAAGGAAAGCTGACTGATAAAGAGAGACACAGACT
TTTGGAGAAAATTCGAGTCCTTGAGGCTGAGAAGGAGAAGAATGCTTATCAACTCACAGA
GAAGGACAAAGAAATACAGCGACTGAGAGACCAACTGAAGGCCAGATATAGTACCTGCCC
G

Sequence 3126

AGGTACATCCTTACTGGAGAGGGTGTCTGGGACTATATTTATCATTGACGATACCACGGGT
GATATCCAATCAACAAAAAGCCTAGACAGAGAGCAGAAGACCCACTATGTGCTTCATGCT
CAAGCTATTGATAGACGTACAAAAGAAGCAGCTCAGGAGGCTGTAAACTGTATAATAAT
CATGAAATTCGTTCTGGAAAACATATTGGTGTCTGCATCTCAGTTGCCAACAAATAGGCTT
TTTGTGGGCTCTATTCTAAGAGTAAACCAAGGAACAGATTCTTGAAGAATTTAGCAAA
GTAACAGAGGGTCTTACAGACGTCATTTTATACCACCAACCGGATGACAAG

Sequence 3127

CCGCGGTGGCGGCCGAGGTACCATTTGTGGTGCCCAAGTTTAAGTTATCTTACATTCAAC
CCAGGACACAAGAAACTCCTTCACATCTGGAAGAACTTGAAGGATCTGCCAGAGCATCTT
TTGGAGATCGAAAGGTAGAACTTTCCAGTTTCATCCAGCACGGACCTAGCTATGATGTGT
ATAACCCATTCTATATGTATCAGCACATTTACCTGATTTGAGTCGACGCTTTCCTCCCC

Table 2

G TTCAGAAGTGACGAGACTGTATGGATCGGTTTGTGATTTAAGGACGAACAACTTCCCG
GNTCCCCTGGGCTAAGCAAATCTATGTTTGATCTTACAACTCATCTCAGCGATTCATCC
AGAGACATGATTCATTGTCCAGTGTACCT

Sequence 3128

CCGGGCAGGTAAGGATTACAGGCGTGAAGCAGCATGCCACGCCTATAGTGATATCTTT
AAGTAAGCCTCTCCTATCTTTTTTGTAGCAGTTTTTCAAAGCAACAGGCACCTTATTTAA
TTAGAAAGTTGATGTGCTTCCCTAATGCCTACTAATGAGGTAAGAACTAAAGAACCTCT
GTGATTTCAATGAAGTCCCTTCAGATGTTATGGGCTACTTGTACCCCGCTACCTCGGC
CGAGGTAAGTGTGTTGGTGTGTTGTTTCTTCCCGAGCAATGCCTACTGCAGCTACTTAG
TAACAAGTGAAGGTGGAGGGTGTCCGGGAAGCAGTTAGATGAGTTAAGTGT

Sequence 3129

AGGTACTGTGACAGCCCAATGCATTACCTTGCCCGCTGCCTAGACAGAACCGATTATC
AAGACAGAGGAAGTGCAGTGGAGAAGGAGTAAGTACAGCAGAGCCGGCTGTGTGGCAGAC
CCAAGTTTATTACTCAAATCGGTCTCCCCGAGCATTGGGGATCAGAGTTTTTAAAGATA
TTTGGTGGGTAGGGGCTTGGGAATTGGGGATTAGTCAGGTTGGAGATGGAATCATAGGGG
GTTGAAGTTAGCTTTTCTTGCTGTCTTCTATTATGGGTATGATGGCACAAGTGGTTGGG
CCAGATTACCGGCTGGGCAGGGTCTGCAACACATAACAAGCCCTGATCTTAGGTT

Sequence 3130

AGGTACTTGAGCCTAGGCAACAGAGCCAGACTCAGTCCTTTAAAGAAAAAAAAAATTCT
CCCAACTTCATAAGTAACTGCCTAAACAAATCAGGATTCATTTTACCATTCTTTAGCA
GAAGAGGAAGGTAACAGAAGTTCATATATTTGCCAGATAACTTTATCACCTCCAACCC
AGACTAGAGGTTTTGATTTAATTATCTCAAATGAACTTTAATTATTTGAACCTATGATT
ACCATATACTCTTGTAGAAAAGTGAGATTTCTAAACCTAGTAAGTAATCGTAAAGG
TATAATTTTACCACCAAGTAATGCAAGTTCTTAACAGCTGTCTTGGCCTCAGGGGTCATAA
ACTAATGGCCTCAGTAATAAAATATTTAATAGAAATTAATGAGATAGGCCCAATGATGTG
GGCCAAGTAAAGAGAGGAGAAATAAGAATTGGTGGGAAGTGTGGCAAATCGGAGAGAGTA
TGCACATCTAAAGGGACTCAGAGCAGGTTAATTCCAGCCCCTGTATACCCCGCGTACCTG
CCCG

Sequence 3131

AGGTACTTGAGCCTAGGCAACAGAGCCAGACTCAGTCCTTTAAAGAAAAAAAAAATTCT
CCCAACTTCATAAGTAACTGCCTAAACAAATCAGGATTCATTTTACCATTCTTTAGCA
GAAGAGGAAGGTAACAGAAGTTCATATATTTGCCAGATAACTTTATCACCTCCAACCC
AGACTAGAGGTTTTGATTTAATTATCTCAAATGAACTTTAATTATTTGAACCTATGATT
ACCATATACTCTTGTAGAAAAGTGAGATTTCTAAACCTAGTAAGTAATCGTAAAGG
TATAATTTTACCACCAAGTAATGCAAGTTCTTAACAGCTGTCTTGGCCTCAGGGGTCATAA
ACTAATGGCCTCAGTAATAAAATATTTAATAGAAATTAATGAGATAGGCCCAATGATGTG
GGCCAAGTAAAGAGAGGAGAAATAAGAATTGGTGGGAAGTGTGGCAAATCGGAGAGAGTA
TGCACATCTAAAGGGACTCAGAGCAGGTTAATTCCAGCCCCTGTATACCCCGCGTACCTG
CCCN

Sequence 3132

CCCTTTGAGCGCGCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGGGGGC
AAAGCCTTGCTTTGTACCCAGGCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAACC
TCCGCCTCTCGGGTTCAAGCAATCTCCTGCCTCATCCTCCTGAGTAGCTGGGATTACAG
GCGCCACCACACACCCGGCTAATTTTTGTATTTTATAGTAAAGATGGGGTTTCACCATG
TTGGCCAGGCTGGTCTTGAACCTCTGACTTATGGTCCACCCGCCTTGGCCTACCAAAGTG
CTAGGATTACAGGTGTGAGCCACCGCTCCTGGCCTGGCTTCTTTTTTAAATCATGATTAT
TTAGACAGAAGAACTACTGATGTGTTTGGAAATATTTGTAGTTGGAATAAGAATCAGAAG
ATGGTTTGTGCTTGTATTACATTGTTATTGAGATTCAGCTAGTAAACATACTTGCAACAA
ATGGAGAAAAGTGGCAAGTTCTTGATTTTTTGTCT

Table 2

Sequence 3133

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGGTGGGGCACCCAGGTAGTAATATGCAG
GAAGTAGAATTGGCAACAAAGGACACAGAATGAAATGGTGAGATGGCTAGCGGAAACATA
GGGAGAATGGCATCACAAAGGCAAAGGGGGGAAAGAAATTCAGTTTAGTGGATAGTCAAC
CAAGGCATTTCACTTAGCAGTCAGGAATGAAAAACGATACTGAATTTGAACATTAGGAA
AGCTTGGTAAATTTCAAGAGTATAATTTCTGCAAAGTTGGAACACAGTGAATAAAAAAGT
GCTAAGAAATTGAGGACAATTGAAAAGTTTAGCAAATGATAAGACAAAGCAGAAGAAGAT
AGTAGATAGTGAGGACAGCANAATCAATAGGAGGGTTTCTTGGGAAGGCCATCTTTGTTT
TAAAGTTTATGGGGAGAGAACCAGTGTGCGAATGGAAGTAGCTAGGGGGAGAACTGAAA
ATGCTAGGAAGACTGGGTGTGGTGGCTCATGCTTGTAAAGTCTCAGCTGCTCAGAAGCCTG
ACGTANGAGAATTGCTTGACCCANTAGTTTCGTGACCAGCCTGGAATATANCCAGACCC
TGTTTCCATAAAAAAAAAGCTAGGAAGGTAA

Sequence 3134

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCTACANATACAGTTNTTAAACCTAAAG
TNACTGGTGAAACAAGCTNCGCTATTACTGANATGTATAATGAATGNCTNAANGCTNTAN
ATNCACTCATCGNTGTGTTTAAGGAGGAAGTGAAGCACANTTGTAAAGAACAAAGTGAAT
TANGTGAANTACATTGACAAAAGTTGATAATAAAGTTGTCAGAATNNCAAAAAATAATT
TAGTGTGACTTGAANCTTAAATCATGTTATATTAATTAAGTAACACTTTACTGATTT
AATATTTGAGTCATTTCTAAGGAAANTACTGANATATCANTTGCTTAACAGAAGTTTAAA
NTATACNGTAATTTGGCATCTTGGNTTCACATGTNNTGAAAAGCTAAACATATTTGGGC
CTGTTAATNAAAGGCATAAAAA

Sequence 3135

CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTATGCTTATTACTA
TACTGTCCAGTGGCCAGGGCAATAAGTCGTTTGATTATATGATCAGAAAATCTTGGGGAA
CTAAAGGTTCTCTAGAGATAATCTGGTCTAACCCCATTTTACAAACAGAATCTGAGACCG
AGAGATGGCAAGTGACTAGTCCAGGGTCTCCCCGCTGCTTTTGAGTCCAACTAGGACCT
GTAGGGCAATGTTCTTTTGCTATACACTGTGCCTCCAGTGCTTGATTAAACAGATTTT
TCTTGATTTAATTACCTTGTCCTCAATCACATAAATAAATTATCAGGATTTCTGAAACA
GCTTGCCCTCCTAGTGAAAAGTTAGGCGCAGCTCTTAGCTTTAAAAGGGAGGTACTTTTT
TTTTTTTTTTTTTTTTTAAAAAGTCATGGAGGCCATGGGGTTGGCTTTGAAACCAGCTTT
GGGGGGTTTCGATTCCTTCC

Sequence 3136

CGAGGTACACTCTTCCTTAAGTCCAGTGGTGCAGGAAAGCTTCAGTTTGTCAATATCACG
CAAGACAGGGACACCAAACACTACCCCTGCCCAAAGGAGTCCCTCACGGACGCCGCATGT
TGTTACCGGACCCCCCGCGTACCTGCCCG

Sequence 3137

CCGGGCAGGTACAAAAGCCAAGATGCCATTGTGGCCTGGGCACTTGGAGGTCTCTTCT
CGGCAAAGTGAAAGAAGCGGTGAAGGTGGCCATTGATGCAGAATATCGCCACATTGACTG
TGCCTATTTCTATGAGAATCAACATGAGGTGGGAGAAGCCATCCAAGAGAAGATCCAAGA
GAAGGCTGTGATGCGGGAGGACCTGTTTCATCGTCAGCAAGGTGCACATGGCGCATTTGGT
GGGAGGCCTTCACTTCAAGGCAGGCAGAAGTATCTGGATCGGGTGGGCAGCAAGAACTCT
GTCGGCCTTTTCTACGTGTACCT

Sequence 3138

GCCGTATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAG
GTACTTTTTTTTTTTTTTTTTTTTGGCACTGGAAAAAGAAAGGGAAGAAGGAGAAGGA
GAATAAGAACCAGAGAATTCTCCTACCCCTGAAAAATTTAGCAAGGGCAGATTATAACAGC
CAAACTGACCTGTGGACCCAAGAACTGGACTGCATGTAATAAGAAACATTCTGAAAATT
TAACAAGTGGAAAAATAACCTGCTGGGCCTCTTTGTGAACAAGCTGCTCAATGTCAACAA
GCCCAAGGCACCACTAAATATCACAAGGTCAATTNCACTGAAATAGGGTTTTATATATT

Table 2

GTCAGATTTTTGTTTAGTTGTTTTGAAAACAGAATATTTTCTATTGAATATCTTCTTT
TTCTTTTTTAAATCCATGGGTCTGGTTTTAACTGCAAACAGGACCCTTG

Sequence 3139

CCGCGGTGGCGGCCGCCGGGCAGGTACAAGGGCATGACAGGCTGGGAGGTGGCTGGTGA
TCACATTTACACAGCTGCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTGT
GCCAGGATTTAGACCTCCGCAGTCGGTGATGGCAGACACAGAGAATAAAGAGGTGGCCAG
AATCACATTTGTCTTTGAGACCCCTCTGTTCTGTGAAGTGTGAGCTCTACTTCATGGTGGG
TGTGAATTCTAGGACCAACACTCCTGTGGAGACGTGGAAAGGTTCCAAAGGCAAACAGTC
CTATACCTACATCATTGAGGAGAACACTACCACGAGCTTCACCTGGGCCCTTCAGAGGAC
CACTTTTCATTAGGCAAGCAGGAAGTACCT

Sequence 3140

CCGGGCAGGTACGCGGGTCATGGGAAGTGGCGGCCACTGCCACATCTGCTATGAGGCTCT
TCGCCATCGTTGGCTGCTGGAAATTTGGATACAGGTAAATGGTATATAAGGCTTCTTTTT
GCTTGTGCACCAGAAGTCTTTGTCCCAGCCTCCAGATCAGCAGTCAGTACCT

Sequence 3141

CTCCTATAGGCGCAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTATTTATTTCTTGT
TGAATGCTGTGTGAAGTTTGTGGAGTGTGTAATTCTGTCTCTATCATTTACTAATAGAA
TATATTTTCATCAAGTGTCTTAAATATTATTAGCATATTTCTGCATAATGTATAAAATGGG
AAAGTAATTGTCTCTATTTCAAATTTATTGGAAGGATTAGATCTAATGTGCTTATATCAT
CTATTTAATAAAAATACATGTTCCCTTTATTTTTTCAGAAGAATGCCCTAGCTTTTTACC
ACATCAACAGTAGTTCAGTTTCCGAGTGAGACAAAGCAATTACTGGAAGAAGTAAAGAAA
TTTTATTACCGTCATAAACCATTGAAAACACATCTAGTAAGAAAATGAAAACCTGAATAA
GATAGGACAATAGTTGAAGNAAAGAAAAGTCTCTGGTACGCGGGGAGGTCACTTAAAG

Sequence 3142

GCGTAATACGACTACTATAGGGGCGCAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGG
GCAGGTACAAAGCAGACTGCCCGCAAATCGACCGGTGGTAAAGCACCCAGGAAGCAACTG
GCTACAAAAGCCGCTCGCAAGAGTGCGCCCTCTACTGGAGGGGTGAAGAAACCTCATCGT
TACAGGCCTGGTACTGGGAAAAGATCTAATCTGCCGTGGGCCTGTCGTGCCAGTCCTGGG
GGCGAGATCGGGGTAGAAATGCATTTTATTCTTTAAGTTCACGTAAGATACAAGTTTCAG
ACAGGGTCTGAAGGACTGGA

Sequence 3143

CGGCCGAGGTACATACGAGGTTTCATTATGTTGTCCTGGCTGGTTTTGAGCTCCTGGCCT
TAAGCTATTTGCTTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGTGCCATTGAN
CCTGGCCAATAATTATTCTNAAAGATGAAAATNATAGGTATTTNTAAAATNATTTTCAG
TGGTTCCCTTAAGAGGGGTGAATCACTCTCCTCCCCTGATAACATTTGGTANTGTCTGTTG
ACAATGCNGNGTTGGGGTGCTGTGGTGCTGTC

Sequence 3144

GGCGGCCGAGGTACCAAGGAGAAGACGGAACCAAAAACAACTCTCCAAGTATATTCACA
CATTCAACAAAATTTTGCATGCCCTTCTATGTCGTAGGCATTTTTAGTTCCTGGGGATTT
GGACATGGCTAAGTCAGAGAAGGCCATTGCTCACCATGAACACTGTATACCAGAAGGAGA
GTGGGGAGGAGACAAAAAACAATAAGACCACTTCAGACAATCAAAGTATCAGTTAAGAG
AATGAAAACAGGCCTGACTCAGTGGCTCACGCCGTGAATCCCAGTACCTGCCCC

Sequence 3145

CCGCGGTGGCGGCCCGAGGTACTTTNTTTTTTTTTTTTTTTTTTTTGTCTTCAACTTCTC
CTTGGTTTTTCATTTCCATTCTGGGCTAATTGTCTATTAAGTCTCTTAATCTCTTCTTGT
GCTGTTCCCTGGTCTTCTCGCTGTCTCTCCATTTGCCGCATATGTGCTTGCCTTAACAATT
CCGTTGCCCTGTTGATGTTCTTGGTATTGTCGTACGGGGAGAGAGAGAGAGCCAAAGCCCC
GGCCAGGCCAGACAACGAGCGACAGAAAAGACAGAGGCAACAGGGAGCGGGACAGAGACTC
CGAACGCAAGAAGGAGACAGAGAGAAAAGAGTGAGGGGGGGAAGAGAAGGAGAGACTGAG

Table 2

AGACAGGGACCGAGAGCGCGACCGGGACAAAGGAAGGACAGGGAGGGTTTTAGCTGGAG
AGAAGGGAGAAGTGAAAGGCCGGGCC

Sequence 3146

GGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAATGTCTTGGGGGGAGGGAG
CCAGCTGATTGTGAGATGTAAGTTTGTGATTCTGAGATAGCAGCTTTGCAAAAACTGCA
ATTTGTCAATTCACCAATATTGATAATGTGCAAGCTTGGTGAGCTGAGAATATTCTGAA
AACCTTTGTTCCCACTGCGAATTCCTGGGGACAGTTATGAGTTCCTAATGACGTCACCAC
AAAGACATTTTGGAGTGTTTGGTAAAGGCTGTTTCTTTTCAGTGATTGCTGGAAGCAGAT
GGGATCAAATAAAAAATAGAACATTGTGGGCTCCCAAGGCTGAGGTGGAGCTGGAGGATGC
CGGCCAGACTGCGGAGCAGCAGTCTTCCTTGTGCACATGCCTGAAGTCCGCGTGGGTGTT
TGAGGAAGTGGGGATACAGCATTTAATGAAAAATTTATGCTTAAGAAGTAGAAAAATGGCA
AGTCTTCCTAGATAATTTTCAATGGCCAGAATGTG

Sequence 3147

NCGGGTNGGCACCTGCCACCACGCCCGGCTGATTTTTGTATTTTGTAAATTTGTATTTT
AGTAGAGACTAGGTTTCACCATGTTGGCCAGGCTGATCTGAACTCCTGACATAAGGTGA
TCCGCCACCTCCCAAAGTGCTANGATTACAGGCGCGCCAGCCCTGTTGTATTANTTTT
CTATTGCTTCCATGACAACAAATCACCACAGGCTTGGCAGTTTAAATACCACTGATTATC
TCACAATTCTCTAAGTCAGATGCCTGAN TTCAGCCAGGCCAGCTGGGTCTCTGCTCAG
TCTCATGGGGCCAGTGCTGAGGTGCTGGGTTACCCCTGGAGGCCTTCAAGCTTATGCAC
AGTTGGCTCAATTATTCCTTGCACTGTANGACTGGGTCCCN TCTTNTCATGCTNTC
CAAGTGGCCCNCTCCAGCAATGGNGGNTTGGGCAATNTNAGCCTCTAGTCNTCTGCCATG
TCTNTTCTGCCTC

Sequence 3148

CCGGNCAGGTACTTTTTTTTTTTTTTTTTTTTNGCAGAGAGACAGAGNCTCGCTCAGTG
ACCCAGACTGGAGTACTGGAGTGTGGTGGCACNGATCTCAGCTCACTGCAACCTCCGCCT
CCCAAGTTCAGCAATTTTACTGCCTCAAGCCTCCCGAGTAGCTGGGACTACAGGTGCAC
GCCACCACGCCCGGCTAATTTCTTTTGTATTTTACTAGAGATGGGGTTTCACCATGTTGC
CCAGCTGGTCTCGAACTCCTGAGCTCAGGTAATCAGCCAGCCTCAGCCCCCTCAAAGTGCT
AGGATTACAGACGTGAGCCACTGCGCCTGACCAGGGACTGAATTTATGGAGCAGAATATC
AGATAAATATGAGAACTGCACTTTTTATTTTGAATTTATTTGCAAGATAACTGATGTTTA
AGGCAAAAACAACACTAGAGCTATAATTTGTATATTGCTGNTTATTACATAGAAGTAAAA
GGTATAATAATAACAACAACNAAAAAAAAGATGA

Sequence 3149

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTGAAACATTCCTGGCAGGCAATGTGTCCAA
GAGGGAGAATCTGAGACCCACTTTCCTGAGGTCATCCAATCCCCTCCCATCTTATCAGGG
GTATGGTATGGCAGCTGTGGCAGAGGGATGGAGGAGAGGAGACACCAGAGGGGAAAAAAA
AACGCAATCCTGTTCACCAGNAGGTCAACAATGGAAGGAATACANAGGAGAAAGCACC
AGGAGGGTGTANCAGGCATACCCCGAGATGAAGAGGGGTTTGGGCGAAGTTGGATGTGCA
AACAACCAACCCCAACCATGACATGAAGGAGGCCACCGTGTGAGCACAGGGCCTGGAACA
ATGGGTGTAATGAGTTACTGCCACGTGAGAGAAATGGTTGCTCCTGTTGATATGGTTTG
ACTGTGTCCCAACCAATCTCATCTTGAATTGTACCTCGGCCCGCTCTAGAACTAGTG

Sequence 3150

GCGGCCGAGGTACCGGTTGGGAAGGCACCTCCCTGGTGTAACTGAGAATACTGCACAGA
NCCCTTCCACTTGTGGGAGGGACAAGTGGTGAAGAAAGGCCTGCCCCCCCCGAAGGAGGG
AGTGCCCTTGCCCTCAACAGCACCTGGGGCTGTTCTTGCAAGACAGGGACCCCTCAATAAGT
TCTGAATGTCCACAAGTTTGCAACCCTCAGCTAGACTGGTGGGCCCCAAGGGGAGAATCAA
AGGTGAAAGGTGGACAAATGTTTGCTGGGAAGCCTGGGTTTGGG

Sequence 3151

CGCCCGGGCAGGTACATGGCCTGGGCCGTGATGATGTTGTCACCCGCATAGGAGCTCATC

Table 2

TGCCACTGCGGGATGGCGGTGCAGGCCACCAGACCCACCCAGCCCAGCAGGGCCATGGAG
AAGCCCAGCAACTGCAGGCCCGAATTGGCCATTTCCGCCCTCAGAAAACACTGGGGGCGC
CGGGCGGGGAGACCTTACAGTAAACAAACGACACTTGGGGGGCAGCCCCACAAAAGAAA
ACTTGAGGTGGAGTTTTCCGGTCACCCAAAGAGACAAAAGGGTTTGGGCCAGGTGAATG
CAAATCTTGTCACCAAACTACACACAAATCGACCCCCCAGTGAAGCGATGGCCTCGCGG
CACAGGGAGTAGGATACGCCGGGAGGGTGGTTCCAGACAAAATTGGTGGTCCCCGAAGGC
CAGGCGGTTCCCTCCGGGCGCTCTCGGCGACCCACTGTCCCTCCGGCATCAAGGCTCCT
AAGTGGAGGAAGAAACCACTGGGACCTTCCCGGTACCTCGGCCCGCCGGGCAGGTACTA
CCACAATTAGAGGAGGCCGTGACAACAGANAACACTGATGACAAGCTTCAGGCAT
TGTAAGTCTTAATACGTGCCAGTGGTTCTAAACCAATAGAAGTTGGGCTTCCAACCTC
TTGTCTTTTCCCAAGAAAAGCATTTTGGCTTGCCCCCTANGGANGGAAGAATACACAGG
AATTGGGATTTAAATTTGCTTCCATTTTGGANCTTTGCACTTTCTGGCTTGGGTGACCTA
AAACCAAGTGAATTACCTTTTTTTT

Sequence 3152

CCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGTTTCTAAATCTGAAGTTCCTGCTAG
TTTACCACCTTCAAGATCTTCTTGAAGTGGTAACTGATTAGGTTGAAGTTATGGAAGATT
TGTGGACTTAACTCAAAAGTAACCTTCAGTGTCTATAGAACATGTATTTGTGTAAGTGA
ACCTACCAGGAGAAATGTTTGGAAATCTATATGTGCAATTTTCAACAAATGCAAAAAA
ATACAGCACATGTATTGACAAGCTTCTGTCAAGCAGCTTGAGTTGAAATTTGATTTAAGA
AAATAATCATGATTGTTCAAAGCTGCTGGGACGTTAGAATTAGGCCATGATACTGGTCT
CATTTTAACTACAGTGGGTATTTGGCACTAGTGTAACTTCCATATAAATCACTCTTTTG
GAACAACCAAGGGGGAGGGAGAAAAATCACGGCCTGTTAAATGAGTACCT

Sequence 3153

CCGCGGTGGCGGCCCGGAGGTACAGTATAAACTTCACAGTGCCAATACCATGAAGAGGAG
CTCAGACAGTTCTTACCACATGATACAAGAGCCGGCTGGTGGAAAGAGTGGGGACCAGAAA
GAGAATTTGCTGAAGAGGAGAAGGAAAAAAAAAACCAAAAAAAAAAATAAAAAATC
CACACACAAAAAACCTGCGCGTGAGGGGGGAGGAAAAGCAGGGCCTTTTAAAAAGGC
AATCACAACTTTTGTGTCAGGATGCCCTTGTCTTGGCTGAGAGGATTTCTGTTGGC
AAGTTGCTGGATTATAGTGAGGAGTTCCCCCAGCCAGGATCCGAGGGGCACAGCGCGGC
CCCCGACTGTCCGTCTGTGCGCTGGCCGCCCTCCCAAAGGATGTACCTGCCCG

Sequence 3154

CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTTGTATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCTCTGAGCGCTGTCTATCGCATC
TGCTTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGAGTCCGGAGGAACAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACATTCAGTGAATCCTATGAAATACACCAAGTGAAGNAA

Sequence 3155

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGGGTGGATCGCTTGA
GCCAGGAATTGAGACCAACCTGGGCAACATAGTGAAACCCCGTCTCTAAAAA
AAGAAAGAAAGGAGACTTTATAACAATTAATAAATTTCCCCCAAAATCATCTGTTTAT
CAGTGAGGATCTGCAGATGTCTGTCTTGTCCCATGCATATTTGTCAATTTTCTAAAAG
GTTGATTTTGGCCGGGCACGGTGGCTTATGCCTGTAATCCAGCACTTTGGGAGGCCCGA
GGTGGGCGGATCATGAGGTCAAGAGATTGAAACCATCCTGNACAACATGGGTGAAACCCC
GTCTCCACTAAAAATACCAAAAAATCAGCTTGGGCGTTGGCNGGCGCATGCCTGCCAGTT
CCCCAGGCCCACTTCNGGNAAGGCTTG

Sequence 3156

AGGTACAGCGGGTGCTGGTGGATACTGGCACAGATTGCAGCCTTGTTTATGGGAACCCGG

Table 2

ATAAGTTTCTTGGCAAACCTGCTTACATTGACAGCTATGGCAGCTGGTCAGTGAAAGTGA
AACCTGTATCTCTATACCTTGGCATCACCGTTTGGCTCCCTGCTTATGCGCTGTGTATGT
CTCTCCTGAATACATTCTGGGGGTGAGTGTTCACAAGGTTTGGCAGCTGTCTCATCTAT
CATGGATTTGATAGACTGCTCGATGATGGAATTGGAACAATACCACTATGTGGTAGACTT
GGCTAATGCATTCTTTCCAGAGAGCCAGGAATACTTTACCTTTATGGGAC

Sequence 3157

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACACATATGGC
CCGGGAGCTACAACAATCTATCCTGCTGCTGGGGGCTCTGACGACTGGGCTTATGACCAA
GGAATCAGATATTCCTTCACCTTTGAACCTCGAGATACAGGCAGATATGGCTTTCTCCTT
CCAGAAATCCAGATCCGGGCTACCTGCGAGGAGACCTTCCTGGCAATCAAGTATGTTGCC
AGCTACGTCTCTGGAACACCTGTACAAGACTCATAAGTCAAAGAGCCAAACTCTAACCCAG
AACACTAGTTGGCACTTGAGCTCTACTTTAAGGCATAAGTAGGATTTTCGTCAGAGAAC
CTGACCTAGGCAGAAAGGAGTGGCTTCAGCCATTTAGAGACTTCAAAACAATGAAAGTGT
TTTCAGGGAATGTANAG

Sequence 3158

CCGGGCAGGTACAGCTTAAATCCTTGAAAACCTCCCTCTTAAACTTGAAAATGGAGAAGA
TGCTGGTGTTCATTGTCAGACTTTTCCCTCATTATCATTGATGAATGTCATCACACCAA
CAAAGAAGCAGTGTATAATAACATCATGAGGCATTATTTGATGCAGAAGTTGAAAAACAA
TAGACTCAAGAAAGAAAACAAACCAGTGATTCCTCTCAGATACTGGGACTAACAGC
TTCACCTGGTGTGGAGGGGCCACGAAGCAAGCCAAAGCTGAAGAACACATTTTAAACT
ATGTGCCAATCTTGATGCATTACTATTAAACTGTAAA

Sequence 3159

GGCGAATTGGAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACGCGGGTGGATTAGAAG
AATGAAATCAGATGACACCTGGCTGCAAAAATGTTTATAAGCNAATANCCTTCTTACATT
TTGGTATAAAGCTGTGAACTTCGTAACCTTGTAAGCAAGATATAAAGCAAATACAAGAG
GAAAATAAAGTACCT

Sequence 3160

CGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGGCCCGGGCAGGTACAAA
CATGGTGGGCAAAGTTCAACTCAGGTAATAGTGATTAAAAACAAAACATGTAGTGGGTCA
CAACCAGACTGGTTTTCACTGTGCAACTTTCTCAGGTAATAATACCCATTCCAGAAAGA
AAGGAATATGCATCCAAGCCTTTGTTCAATAAAGAAAATGCCCTTCAAAACAAGTTCATCAT
AAGGCTAAAAAAAAAAAAAGAAAGAAAAAAGGATGAAGCAGTTTGGCCCAGAGAAAAGCT
TAAATATAATGTGTATACATACTTATAGATATGTTGCCATTTAAACCATGGATATAGACA
TTTGACAATTAAATGAATTGGCTCAGTAAAGTGAAAAAGTGTCTTCTATAAATATGTAG
TTATTGCTGATATGCTACACATTATGCTTTGACATGGAGATTGTAGTAACTCAGAATTTA
AAGCTGCCATATTGCCAGTGTTAGCCCTGCAGTANGCCNTCCTGTGGACAACATGCCATC
CAATNCTGAANAAAAAGCNAAACCCCCCCTTAACAAAAAAAANGCTTATGCCCTGCC
TTACATTTTTGGTTTTTTTTTTTTTAAAA

Sequence 3161

CCCGCGGTGGCGGGCCCGGGCAGGTACGCGGGGAGACTAAAGCACAGCTGAACCCCTCA
AGCAGGAAGTGAAGCAAATTGTATTGAAACTGCTTCAGCTGTGCGAGATCGTTTATATG
TCTTCTTTTTCTGCATTGGTTGGGAATAAAATTGAATCTATTCCAGTAAAAGGACCAG
CCCTATCAAGAAAGAGGAAGAAGGAAGTGGATGCTACTTCACCTGCACCCCTCCACAAGCA
GCACTGTCAAAACTGAAGGAGCAGAGGCAACTCCTGGAGCTCAGAAAAGAAAAAATCAA
CCAAAGAAAAGGCTGGACCCAAAGGGAGTAAGGTGTCCGAGGAACAGACTCAGCCTCCCT
CTCCTGCAGGAGCCGGCATGTCCACAGCCATGGGCCC

Sequence 3162

CCGGGCAGGTACTCTTTTTTTTTTTTTTTTTTTTTTGGTAGAGACAGGGTCTCACTGTT
GCCCAGGCTGTCTCCAACCTCTGGCCTCAAGCGATCCTCCACCTCCTGCAGCTCATTCT

Table 2

TAATCTAGCCCCACCAGGCATGTAAGGCCATGGAAATTC AACAGTAGAGCCCCAGATTTA
TTTCAGAACAGATCCAGCATGGGGGCCCTTTGGAAGGGCAGCCAGCTCCTTAAGGGCCTTC
ATTCAGGTTGTCCAGGCTCAGGTCCAGTTCATTGTCTCCTGCCTGTCAGAGGCTCCCGCC
CTTGCTAACAGCCTTTGGTCATGATGACAGGGGGCTGAGAGGGCTTGGGCTCCAAGGTTT
CCAAGGCATTGAGGGGAGAGGAGCTGGAAATGCCCTTGTGAGTTCTGTGGATCCCCA

Sequence 3163

CCGCGGTGGCGGCCGCCCGGGCAGGTACATCCAGAAGCCGAGTGAGCTGGAAGGACCCCCA
GTGGGGATGGGCTATGGTTGGAGACCCTGGTATGAACCCAGTTTAGCTTGACATAGACA
CAGATGGTTCATGCAGAATATTTATAGACATGTATGTGCATGGATTAGCATTACACAC
ATTCCCTTGCTCTGTGAGCTGAGAATAAAAAAGAGGATCATTACTATTACATTCTCA
TCTAGGCCCTTTAAATAGCAGCTCCAGTTGTAAACCTCTCTAAGGGGCTCTGGATTAAGT
CGTGAGAGTGATGAGGGGAAAAGGTCTTTCTCATCTCCATCTGACCTACCCATCTACCAA
CCAAGCTGGACACTGACTGTCCCTTCGCTCCTCTCCCAGATGAGTCATTGCAACAGAAAG
CCCCAGAAAGACTCCATGAAGAATGGTAGTGAGTTTGGTGTAAGGAAAGATTAGTGAA
AATGACACTTAGTTCAATTAATATTACGGTGGAGCAACCCATGTGCAGAAAACAAGCCT
CAGCCCCAGCTGGGGCTCTCCCTGGGGNCTACNTCTTCCACTTGAACCTNCNCGCGTACC
TTCGGCCCCGCTNTAANAANTAAGTGGGANTCNCCTGGGGCTGGCANGGAAATTCAATTTA
AAGCTTATTNGNAACCCGNCGACCTCGANGGGG

Sequence 3164

ATACGACTACTATAGGGCGAATTGGAGCTACCCGCGGTGGCGGCCGGGCCCGTGGAGGCC
TAGGCTGGCCCTAGGACCTTCTTGGTTTGCTCCTTGGATTCCCCTTCCCACTCCAGCACC
CCAGCCAGCCTGGTACCT

Sequence 3165

CCGCGGTGGCGGCCCGAGGTACCCTGAGCATCAGCAGAGATGCTGAGATGAAATCAGGGA
ACTCCTAGGGGATGGGTCTTCTATTACCTGGGAACACCTGAGCCAGATGCCTTACGCCAC
AATGTGCATCAAGGAATGCCTCCGCTCTACGCACCGGTAGTAAACATATCCCGGTTACT
CGACAAACCCATTACCTTTCCAGATGGACGCTCCTTACCTGCAGGTCTTAAACAACTTT
TTTTTTTAAACATGCAGCTATGTTTGGATTGAAATGTCTTAACACACTCATGTCTTTAAC
AGTTATTTATCCTTAGACTCTGTGGAACCTAGGGCCATTCTTATTTCCAGAGAGGGAGA
AAGAGGAGAGAGCTCTCANGACTATCTAACAGGCACAGGATTATGCAGGTGCAAAGGTA
CCTGCCCCG

Sequence 3166

CGAGGTACCACAAGCTGTGTGTCTTTAAGCAACAGAAATTTCTTCCCTCACAGTTGCGGA
GGTCAGAGGTCAGAAAACAAGGTGTCTGCAGGACCAACCTCTCCCCTGGATGCTCTAGGT
GAGAATCTTTTCCATGCCCTTTCTCTTAGCTTCTGATGTTGCCGTCAGAACTTCAGATGGT
GTTCTTGGCTTCATTTTCTTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCCTGGGTGA
ATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGATGAAT
CCTTATGTGTCCACCTGGA

Sequence 3167

CGCCCCGGCAGGTACAGCTGTTGTCCATGTGTAGAGCTTTTAATAACCAGCGCAGCAGGC
CCCTTACCTGCTTTTATGCCTGGACCAGATGACTGAATGTAGAATTTAGGCACTTTTT
TTTTTTTGGAGACGGAGTCTCGGTTTGTGCCCAGGCTGGAGTGCACTGGCGCAATCTCG
GCTCACTGCAAGCTCTGCCCCCGGGTTACGCCATTCTCTTGCCTCAGCCTCCCAAGTA
GCTGGGACTACAGACTCCCACCACCATGCCCGGCTAATTTTTATTTTTTAGTAGAGAC
AGGGTTTACCCTGTAGCCAGGATGGTCTCAATCTCCTGACCTGGTGATCCACCTGCCT
TGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCAGATCGGCCCTTTAGGCACTT
TCTACTTCTCAAGGTCAAGAAACATCC

Sequence 3168

ACTACTATAGGGGCGAATTGGGAGCTCCCCGCGGGTGGGCGGCCCGCCCGGGCAGGTACG

Table 2

CGGGGACACATTAACGCACACATCAGTTCCAGGCCCCATTCCATTCTCTGAACATCTTCT
GACACACTGACAGTGCTGAGCAGAGCAAGGTTGGGTTCTGCTCCTCTGGCAGAACCTCGGC
TCTCAGGAGGTCCTTGTTCAGGGAACAGCTGCTTCTCTGGGGCTGGGCTCTACTCCCTG
CAGCCCCTCGCACTACCCAGCTGGAACCAAGGGACAACGCCTGAGTCCAACCCCTCGTGTCT
ATTTTCCAGAAAACGGGCAATGCTGTGAGAGCCATTGGAAGACTGTCTCTATGGCAATG
ATCTCAGGGCTCAATGGCAGGAAATCCTTCAACAGGGTCACCAACCAGCCCGCTCAATGC
AGAAAACTAGAATCTGAAGAAAGATGTGTCCCAAGCTT

Sequence 3169

CCGCGGTGGCGGCCCGCCCGGGCAGGTACCAACAGCTAGCGGTAGCCCTGGACTCCAGCT
ATGTAACAAACAAACAACCTCAATATCACGATAGAGAAATTGAAACAACAGAACCAAGAAA
TTACGGATCAGTTGGAAGAAGAAAAGAAAGATGCCACCAAAAGCAGGGAGCCCTAAGGG
AGCAGTTACAGGTCCACATTCAGACCATAGGGATCCTCGTATCAGAGAAAGCTGAGTTAC
AGACAGCCCTGGCTCACACTCAGCATGCTGCCAGGCAGAAAGAAGGAGAGTCTTGAAGAT
CTGGCCAGCCCGCCTGCAGTATTCCTCGNGGCGTGTGGGAGAGTTGGAGCGGGCTCTCTCT
GCTGGTCTTCCACGCANCAANAAAGAGGGCAGACAAGGGTTGACGGAGCCTGGACTTCCA
TTTTCANAACCAAAACAANCCANTCAACCGTAAAAAAAAAAAAAAAAAAAA

Sequence 3170

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTGGATCCAAAGCTTTGTTGAAAATGCTGTTTG
ATGAATTCAGTGAAGAATATAGAAAGGTGGTCAGGTAAAGTCTACTTTTATTTTGTCAAG
CTTAATAATTTGTGTCTACTTTACCCCAAGTATATATAGGCAAACCAAAACCTTATCAAA
TATTAAATTAGTTGTTTAACTTTGCTTATAAAGTATTGGCCATGTGGTGGCTCATGCCG
CTAATCCCAGCACTTTGGGAGGCTGAGACGGGCAGATCACTTGAGGTCANGAGCTTGAGA
CCAGCCTGGCCAACATGATGAAACCCTGTCTCTACTAAAAATACCAAAATTAGCCAGGT
GTGGTGGTGGGTACCTCGGCGCTCTAGAATAAGTGGATCCCCCGGGCTGCAN

Sequence 3171

CGCCCGGGCAGGTACTGAAATCAGGTCATCCCGTGGCAACACTGTGGAACCTGGAGGACA
TTATGGTAAATGAAACACACTAGGCAGGGAAAGACAAACCTCGCATCACCTCACTCATGA
GGAATCTAGGAACTTTATCTCACACAGACCTACAAAGCACCATTGTGCTTGCCAGGGT
GAAACAGANNNGCTGGGCATGGGTGGGCATAGGAAACAGGTACCT

Sequence 3172

AGGTACAAGCAGTAATTGATTCAGTGGCCTTGGACTACTTTTGGCAGGTCAGCTTGTCTC
ACATAACAGGTTGGTATATTGTATAACTATCACCATTAAATTTT

Sequence 3173

AGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATTACTGAG
ATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAGGAACTG
AAGCACAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACAAAAGGTTGATAAT
AAAGTTGTCAGAAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTAAATCATGTTATA
TTAAATTAAGTAACACTTTACTGATTTAATATTTGAGTCATTTCTAAGGAAAATACTGAA
ATATCAATTGCTTAACAGAAGTTTAAATATACGTAATTTGGCATC

Sequence 3174

CGGCCGAGGTACATTTTCCCCTGTATAATTGATACCTCTTCTGTAGGATTATATTAAAT
CCTTGTAAGATCCTATTCCACAATAGCTTTTCATCCAATAGTTTATAGCATCTATTGAT
GAACGTTACCGTGAAAAATCTATGAAGTCTCTTTATGAACACTTTTTAAAGCCTTTATA
AAACTATTTTCTCTTACTGTATTTTCACTTTTGTCTTAACCTAAATTTGGCCCTTTTAA
AAATCCTAAATCATATGACAGTTTTAGAATGGTAGCTGGTTGCTGCTAGTTTTGCATGT
TTGTCCCCCAAAATCTCATGTTGAAATTTGATCCAGTGTTGGAGGGTGGGGCCTG

Sequence 3175

NANGCTCCACCGCGGTGGCGGCCGAGGTACCTTGATCTCCTGCGTGGCCTCGTCCCCCTT
GGGTTCTTAGTTCCACCGGGCAGCGGGAGTCAGGACCGCCTGTCTCAGACCCCTTNC

Table 2

GCAACCGACTTGGTGGGNCCNGGNNCCCCNGCNTCTANAAGTGGATCCCCCGGGCT
TGAAGGAATTCNATNTTAAAGCTTTNTTNGANAACCCGNNNAAACCTNNNNAAAGGGG
GGGGGGGGNCC

Sequence 3176

CTCCCCGCGGTGGCGGCCGAGGTACCACTGCGCGTAGCCACTATAGCCTTTC

Sequence 3177

CGCCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGCTGGTTTTAAGTTTATTTT
GATGGAACTTTGTATAAGAAATCTCAGATTAGACTTTTAAAAGCCTTCAAGGGTCAGAA
GTCAAAGGAGGGCGAACATCAGACTTTGGCTGCAGTATCTAAAAATCTGCATGAATTTCT
CTCTTCTTGAGGTCTCCAATATATCTGGAGGTCTCTGGCCATTTTCTGTAGGGGGATTCC
CCCTGGGTCTGTGCCACTCCTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCC
GAAGGTCACACTATGTCACTGATGAATCCTTATGTGTCCACCTGGATGTTCCGGT

Sequence 3178

CCGCGGTGGCGGCCCGCCCCGGGCAGGTACAATCGTGTGGGAGAGCCAAGACCTCCACGGC
CTTGTGTCAAGAAATCTCCACAAAGTGACAGTGAATGATGGAGGGGGAGTTCTCAGAGTC
ATTACAGCTGGGGAGGGTGCATTGCCTCATGAATTTCTGGAAGGTGTGGAAGGAGTTGCA
GGTGGTTTTATATATACTATTAGGAAGGTGATGCTCTCTTACACAACCTTCATTCTCGC
CCTCAAAGACTTATTGATCATATAAGGAATCTCCATGAGGAAGATGCCTTACTGAAGGAG
GAAAGCAGCATCTATGATGATATTGTTTTGTGGATGTTGTCGACACTTATCGTAATGTT
CCTGCAAAATTATTGAACCTCTATAGATGGACTGTGGAAACAACGAGCTTCAATTTGTTG
CTGAAGACAGATGATGACTGTTACATANACCTCGAAAGCTGTATTTAATAGGATTGTCCC
AAAAGAATCTGGATGGGCCCTAATTTTTTGGTGGGGGAAATTTCAAGCTGAATTGGGCAA
NTTGACCGAACC CGGAAAGTNGCCAGGAGTTGGAGTCCCTCNGCCCCG

Sequence 3179

CGAGGTACTTTTTTTTTTTTTTTTTTTTTTNGCTTTTTTTTTTTTTTTTTTTTTTTTT
TT
TAANTNNTTTTTTTTTTTTTTTTTTANAAAAAANGGGNCCNTTNNANAAAAAANGGA
AAAAAAGNANAAAAAANCCCNTTTTNNNCCCNCCNCCNNNNGNAAANCCCNNT
TCCNCCNCGGGGANNGTAAAAAANGGANCCCCNNCNGAANNNAATTTNTTN
TACNATTTATTTAAGCCCCNCNCCCNNGGGGGGGCCCCNCNNNACAATTTTNCNT
TTGGNGGGGAAAAANANCNCCACATNNAAAAAATACTGNTTNNCNTNA
NAAAAAANTATNATTCTNACNAAAAATTTCAAAAAAATAANACCCNCGNGAANA
AAANAGGAAAAANGCGGNGGGGGNCCNAANATNNGGAACANNNNACCNNAATNTN
TTTTTATNGAANNCCCNACCCNATNTNTCAAGAAGNAAAAATATGGGTTCANCCC
ATTAATAANAAAAAACAACCNCCNCCNNNNNATAANGGGANGNNTTNTATNTNTT
GGCNACNTTANTTTTTTTTTTATAAAAAA

Sequence 3180

CCGCGGTGGCGGCCGAGGTACCTGGGATTCAGAGTGACTTGCCTAAGATTACACAGCTAG
TTTATGGAAAGAACTGTACTAAAAGCTTTGTCTTTGATTTCCACCTAATGGGGAGCTT
AAAAATAATGTCCTACCAGGTATGGTAGCTCATGTGGGAGGCTGAGGCAGGAGTATTGTG
AGGCCAGGAGTTCAGATCAGCCTGAGCAGCATAGCAAGATGCTGTCTGTACCTGCCCG

Sequence 3181

CGCCCCGGGCAGGTACCTAAGTGAATGAGGTACTTTTTATGGCTTATCAAATGCTTGTC
CTGGCCCGATGCGGTGGCTCATGCCTGTGATCCCAGCACTTTGAGAGGCTGAGGCAGGGC
AGATTGCATGAGCCAGGAGTTCGGGACCAGCTTGGGCAACATGGTGAAACACTGTCTCT
GCATAAGATACGGAGATTAGCTGGGCGTGGTGGCACGTTCTGCGGTCCCAGCTACTCAT
AAGGCTGAGGTGGGAGGATCTATTGAGCCCTGGAATTCGAGGATGCAGTTAATTGTGGTT
GTGTCACAGTTCACTGCAGCCTGGGTGACACTCCAGCCTGGGTGACAGAGGAGACCCCGT
CAAAAGAAAAAGTACCTCGGCCGCTCTANAAGTAAATTGGATCCCCCGGGCTGCAGGAAAT

Table 2

TCGATATCAAGCCTTATTGATACCGTCNACCCTCGAGGGGGGGGCCNGTACCCAACCTT
TTGT

Sequence 3182

GCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTGTAG
ACAGGGTCTCAGCTTTATCACCAGGCTGGAGTGCAGTGGCATGATCTCAGCTCACTGCAGC
TTCGACTTCCTGAGCTCAAGTGATGCTCCACCTCAGCCTCCCGAGTAGCTGGGACTGCA
GGTGCCCCGCCACACGCCTGGCTAATTTTTGTATTTTAGTAGAGACGGGATTTACCA
TGTTGTCCAGCTTGCTTTAACTCCTGACCTCATGATCCGCCCCGCTCGGCCTCCCAAAG
TGCTAGGATTACAGGTGTGAGCCACCGCGCCAGCTGAGAGCTTTTATTAGCGATTGGT
GTGAAGGATCAAAGCCCTCTCATGAGTATTGCAACATGAAGATGTTACTGAAATGAACGT
CCTAGGGGCTGCATTTAGGTACCTGCCCCGGCGGC

Sequence 3183

CCGCGGTGGCGGCCGCCGGGCAGGTACTACCTTTTATTTTTTTTTTTTTTTAGTAGA
GATAGGGTTTCACCATGTTGGCCAGGCTACTCTCAAACCTCCTGACCTCAGGCGATCCGCC
CACCTCAGCTTCCCAAAGTGATTACAGTCGTGAGCCACCACGCCTGGCTGATGTGTCAAG
TTTTAAATAAGTCTTAATATACAAAGAATTGAAATACCAATATCTACACTTAAAGCCAC
AAAAAGTCCATAAACGAGATGTGTTAATCGAGTCCCCATTAAATCAGCTTTTGTCTC
CTACTAGCTATACCTTCACTCCCCGCTCAGCTATACAAATACAGACGACAGCAATAC
TGCTAGACAATGGGGCTCCAACCAGAGTTTGTAGGAGAGTGACAAATATGACTGCCTCCA
TCAATTGAAATTACAGTTTACAAAATTAGGGACACAGGGCCCTCATGCCTGTAATTGTTT
ACAATCCAAATAGCCAGATGAATCTTTGTATTATAAAAAAATCAAAAAGTAAGGTAATC
AACACCAGACATTNTTCAAAA

Sequence 3184

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAACTGCATGCCATTATGGGATGTGAAAAA
CTTGTCAGTAGGATCATCGCCAAAAATCAAAGCCATCAAAGGCATCTCCAGCATCCCCACC
AGCGAAGTAGGCATATGTTAGGCGGTACGAGAGGTCAACGTATCCAAAACGTGAATGTCA
AATCAGCACAAACAGGAAGCATCAGCAGATGTTGCTACTCCTAAGATGCCAGGGCAGTCAG
TCAGGAAGAAAACTAGGAAGGCAAAAGAAATTTCTGAAGCTTCTGAAAACATCTATTCTG
ATGTCAGAGGACTATCTCAGAACCAGCAAATACCTCAAAATTCTGTTACGCCTAGGAGAG
GAAGGAGAAAGAAAGTAAATCANGACATACTAGAAAACACCAGTCTGTGGAACAAG
AATTACAGATCACTACAGGTAGGGAATCAAA

Sequence 3185

CCGGGCAGGTACNCGGGGCGTTTGGACCTGTCTGTGCGTTCTCCTGCGTGGCAGTCCTGA
TTTCCATGCTTCTGGAGAATCCATTTCTGTTAACTGAAAGCCAGTTCTCTTTTCTGGC
AGTTTTTTTCATTTTATTTTGGCATTTTTTACAAGATACCGTTCGGGAAAGGCTTTTG
AAAGGACGGAAGCCGATTCACTTGTGCGCCAGTACCT

Sequence 3186

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTT
TT
NTTTNAAATTTAANNCAATTTTNAANANNAANCAANNCNAATTTNNNTTGNA
ACCCNAGGNNNANNTNAAAAACGTTTTNAAGGGGCCCGGGGNANGGGGAACCCNACCNT
NGNAAAAAAAACCGGNNGGGNANGGNNCCCNNAAAAAANNAANAAAAACCCCNNA
ANNGNNAAAAANNCNCNTTTTNGNANNNACCCCNANGGTTTTAAAAAA

Sequence 3187

AGGTACCAACAGCACAGAGGCAGAAAACGGCAACGGCAGCAGCGGAGGAGACAATGGAGA
AGAAGGGGAAGAAGAAAGTGTCAGTGGAGCCAATGCAAAAGGCACCACAGAGACCGGAAG
GCAGGGCAAGGGCACCTCGAAGACAACAACCTCTCCAAATGGTGGGTTTGAACCTACAAC
CCCACCACAAGTCTATAGAACCCTTCCCCACCTTTTGGGAAAACCACCACCGTTGAATA
CGAGGGGGAGTACCTGCTGGAGATTTTCAAGCAACAAATGTCCTAACCTCTCCCTTCCACT

Table 2

TCCTCAGGCATGCTGGGGCAACCGGACATTTTCTTTATCCCAAAGGAGAAAAAGCAAGA
ACGTGGTGGGGAATCACCTTCCCCAGGGCTGCTGGTGGTGTGGGGGAATCTACCTTCTN
CCCAACTCCATTACCTNATAGTANGCAAGGGTCCCTGCCTNCTTGGTGAACCGGCCTGGA
ATCCCCGGTCCTGANA

Sequence 3188

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTT
TTNAAAGGNAAAA
AANNNTTTTTTAAAAAAAANCCCNAAAAANTTTTNCNTNNCCCTNAAANCCAAGNNNGGT
TGGGGCNACNNNAAACGNNNGGNAATTGGGAAANGGGAACCCCNCCACNTNCNANGGAAA
NGGNNAAAAAAAGNCCCTTTNAAAAGGGNTTTGGAAACCGGGNANCCNAANCNGGNA
AANNNAANNCNTNNGGGNNGNNGNCCCNCCCAAANGNANNGNCCCNNTNNAANNNTT
ANGNCNACCNCCCCANGGGNNNTCCCNACCNAAAATAAAGGGNAAAATNTTTAAGGNAAA
AATCNCNCGGGGCCCCACCTTTTNAANNATTTTANAAACCCCNNTTTANNCAAAGGGGAA
AAAAAAAACCCNCCNTTNCATTTTNNCCCANTTGGNAAANTAAAAAANNN
CCCTTNTGGGGGGGAAAAAATTANCNNCCNTNNCCCCCGGGNANNNCCCGG
GGGG

Sequence 3189

AGGTACAAAATAGCTCAAACATCAGGTGCCAGCAGTTCAGGGGAGGGATCTGAAAAGGC
AGCAAGGCACTAAATCAGCACCCCAACCTGGTTTTGTGTTGTTTTCTTAAACCTGCCAG
CACCAACTCTTCATCACCTTGTCAAATTCAAGACCATCTTGAGAGACAGTTAGGACTGA
CTTGCAATGTCTTTGTGATTCTTACCCACCCACATGGCTGTTTTCTAGGCCTCGGGCCG
GTGCTCCTTTAAAAAGTGATGCAAGCCCTATAAGTGACCANTGAGAGAAGGGACTCCTGG
GTGGCTTCATCCACACCGNTTCCAACAGGGCCCC

Sequence 3190

AGGTACAAGACATTTTGCATGGTATTGTGGATGTTAAATTAAGTTTAGCCTAAAGCTAC
CTTCTTATAAATTCTGCCTAAAGATTTCCCTGTTTCATAGTGAAGTGGATGTGTAAACAGA
CTGGAACTACTCCTCTACCAATCGCTGAGTTTTGGCCAATCACAGGAGGCCAACTCTTC
AAATAGAGGAAAAGCCAGCTGTAACCAATCCAGCTGTTTCTGTATGTCACCTCCATTTTC
TGCAGGTCACTTTCCTTTTCTGTTTCCTTTTCTGACCACACGCCAGCACCAGAGTCTC
TCTCAACCCATTATGGTTTGGGGGGCTGCCTGATTCGTAATTTGTTCTTTGCTCGAT

Sequence 3191

CCGGGCAGGTACCCCTCCGCTCCCTGAGCCCAAAGAGGAGAACCCAGCCCTCTGCGTAGG
AAGAACACATTTCAAGGCATTTACTGACAAGTAGGTATAGTTACTGCATACACATGTGGA
GGCTGCATTATATCAAAACCGTAAATAAACATAGACTCTGCACACTCCTTCAGGCCCCAC
CATGTATTTATGAATGGGATTGCTTCATCATTTTCTTTTAAATGTCAGTAGCAGGGAAGTC
AGAAAGCATTACCTCTAAAACGGGGACAGAACATTGCAAATACATACATTTCCAACCAGC
TGTGGCAATAACCAGCAAACAAATTACTTCACCCCGTTGTTATGGGCCCCATGCCTATG
GGATTTTCTCGAGTTT

Sequence 3192

AGGTACTTTTTTTTTTTTTTTTTTGTAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTG
CAGTGGTGCAATCGCGGCTCACTGCAAGCTCCGCCTCCCGGGTTCACAGCCATTCTCCTG
CCTCAGCCTCCCGAGTAGGGGGGACTACAGGCGCCCGCCGACGCTGGCTAATTTTTC
TTTTTTTGTATTCTTAGTAGAGACGGGGTTTACCAGCCCTGCTGCCTTTTAAAGCAATT
TAATACATGAGTTAAATATCATATTTTAAAAATAGATTTTATTTTATTATAATTTTGA
TGAATGCATTTTGTCAAAGTTGTCAAAGTCAAGAAGTCATTATTGAGACCCTGAGGGTA
AG

Sequence 3193

AGGTACAGACGGGATTTCACTATGTTGGCCAGGCTGGTCTCAAATTCCTGACCTCGTGAC
CCACGTGCCTTGGCCTGCCAACATGCTGGGATTGCAGGTGTGAGCCACCGCGCCCGGCC

Table 2

CAACTTCTCCTAATGTTGCTATTTTGATCTTATTTTTAAATCATGAATGTTCTCAATGA
CATCTAGAATGGTGAATCCTTTCCAGTAGGTTTTCAATTATTTGCCAGATCCAAAG
GGAATCACTTTCTAGAGAAGTTATAGCTTTATGAAATATATTTTAAGTGATAAGACTTG
AAAGTTGCAATTATCTTTGATCCAAGGGCACCAGAATGAATGTTGGGTTAGTAGGCATG
AAAACAATATT

Sequence 3194

CCGGGCAGGTAATTT
TTNTTTTTTTTTNTTATTATTTTTTTTTTTTTTTTTTTTTTAAANAAAAGGGCNNTTATT
GGAAAAAGGGNAAAAAAAAAAAAAAAAATNAAAANANAANCCNNTAAATNTTAANAANNNA
AAANTTTTTNNAAGNAAANCCGNTTATNAAAAANGNAANCCGNAAAAAANTAAGNGGG
NAAAGAAAAANGNNAAAAAANTTCTNCCGGGNAAAAAAAAAATNCTTNNCNAANNANAA
AAAAAAN

Sequence 3195

AGGTACTGCGAGGTCACCTTCATGGATTAGCATCCTGCTGTGAGCTGAAAGACTGAACAA
GCAGAAGCATAAGCCAAACCCATCCCTCCAGCTCCCCACTGTGCAGATGGACTTACTGA
GGCTCCAGCATACACTGCTTGCTCAGCACTTTATCTATTTTCAACCAAAGTGTGAGCAGA
ACTGATACCCACGGGGCATCCAAGTCCACATCCAGACCCAGTTCCCTCTGCGGCCCTCTC
TAAACCGAGCCGCTGACTGCTGATGGTGAGTTCCCAATCATGGGCTGCACTGAGGGTGC
CAGAGGCCTGGGTGGGCATGAAGCCTGGTGGGTATGGAGTGAANG

Sequence 3196

CCGGGCAGGTACATTGAAGCTCTGCCCCATGTGATATGTCTGGAGACAGGACCTTTGGGG
GTGATTAGGATTTCAACGTAAGGATTTGGGGGGACGCAAACCTTCAGCCACAGCAGTGC
CCTTGGTCTACCCCTTCTCTCTAGACTTCCTCCATAGGAGTTCGGCAGGCACTCCTG
GTCTTCTTTATCTTCTTGCAAGAAATGGCCCGGACAGTCCGTCCAAACACAAAGACTG
GACGCAGAGACCCGGAGAACAGCAAACGGAGATTTTCAATGACAGTCTTGCAAGACTGG
GTGTCTGGCTGGCATGCAGCCACCCCC

Sequence 3197

CCGGGCAGGTACGGAGTGTTTTACCTTTTGACTTTTTTTTCATGACTACAACTGTTGGA
TATTGAAAACCTTGCATTTTACCTTTTGTAATTGCCAGTCTGTGTTTTGCGTATGGAGG
AAGGAACTGTGGAANGTGCATCAGTGGAAAAAATAAATGG

Sequence 3198

CCGCGGTGGCGGCCGCCCGGGCAGGTACCAGTTAGGATGCTTTGGCTGTAACAAAACCTA
ACTAAGAGTAGCTTAAATTAACCAAGGGTCAGCAAACCTTTGTAAAGGGCTAGATTAGG
GGTATCCAATCTTCTGGCTTCCCTGGGCCACACTGGAAGAAGAAGATTGTTTTGGGCCA
CATATGAAATACTCTAACGATAGCTGATGAGCTAAAAAAAATCACAAAAATCTCATAAT
GTTTTAAGAAAGTTTACGAATTTGTGTTGGGCCACATTCGAAGCTGTCTGGGCTGCATG
TGGCCACGGGCTGCAAGTTGGAGAAGATTGGGCTAGATAGTAAATAATTTAGGCTTTCT
G

Sequence 3199

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTT
TAAGCTCCACCTTTTCACTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAGGACA
TCCTTTCTGGTCTTTGATTCTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTA
GAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAGACACTAGCTCT
TCAACCGGAACATCCAAGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGG
ATCACGGAGAAGAGTGAGACAGATCAACCATTACCCAGGAGTGGCACAGACCCAGGGGA
ATCCCCCTACAAGAAAATGGTGAGTGAGTGAGAGTCCCGTGGGATGCATATTTCTGCCAC
GAACCTTTGAATCCCTGGGCTCAGGAGATACCCAGCTGGGGTCTCCAGACCAAAACAGA
GAGCCATGTGGGAAGTCTGGGTAGAGCTGCTTCTTANGTAGGTGTGGAGTCCCAGTACAT
TTGTTCCCTGGGTCTGCCCCGGCGGGCCGTCTAGAACTAGGTG

Table 2

Sequence 3200

CCGCGGTGGCGGCCCGCCCGGGCAGGTACGAGAAGATCGCCTTCCAGTATGGAATAACCGA
CCTGCGCGGCATGCTCAAGCGACTCAAGCGCATGCGCAGAGAGGAGAAGAAGAGCGCAGC
TTTTGCAAAAATTCTTGATCCTGCATATCAGGTTGACAAAGGAGGCAGAGTGAGGTTTGT
TGTGGAGCTGGCAGATCCAAAGTTGGAGGTGAAATGGTATAAAAAATGGTCAAGAAATTCG
ACCCAGTACCTCGGCCGCCCGGGCAGGTACCTGAGCTCCCACTAGGGATTACCACAAG
GAAGAGTGACGGATCATGAGTGGAAGGGAGATGAGTTAATACAAATGGAAAACAGGTTTC
ATTGTAGGAAAAAGGAAAGTGAATTAATGCTTTCGAAAGAGACATTAAAGTAGATTCTG
GGCAATATGAAACT

Sequence 3201

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTCTTTTTTTTT
TT
AAAAAANTTTTTTTTTTAAANAAAAANGGNTTNTTTTTNNAAAAAANNNGNCCN
ANTNCNAAAAAANTNNNGGNNNCCCCCCTTNCNAAAGGNNNANNNAAANNNG
GGNNNGNNNGGNNNTTTTTTTTTNNAAAAAATNGCNTCCCCCANNTTTTTT
TTTTNAAANCCCCNTTNAAAAAANNAGGNNANGAANCNTTNTTCCCCCANCANN
ANTTAAANAATTTTTAACCCCTTAAAAANNNCCCTTTTTTANGGNGCCNNTNCCNA
AACATTTNTANACATGTNTTTTTTNNANGGGNGNGGATTTTTNAAAAAGGAAAAACCC
CCCCNCNCCCNAAAAANACAAANTGGGNCCCCCTTTTCTGGAACCCCTTACANAT
NAATAAAAAANACAGCGCNCNCNTTTAATATGTTTCTNCNNCCCANAAATNTTTTTN
GCTCTGAGANCANCAANAAAAANATTTTTGGGGGGNNANATTANTAAAGGGGGGGCCN
AANAACAATGTTTTCCCCANAAAAA

Sequence 3202

AGAATNGGAGCTCCNCCGCGGNGGCGGCCCGGGCANGTACTTTTTTTTTTTTTTT
TTTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAANTNATNTTT
TNAANTTTANNNNAATTTTTAAAAAACCANATNAAANANTNANGCNAATTTAGC
CAAAAGAAAAATTAANAANTTTNANNTNGAANCCAAAAANAAATCNAAANCTN
NTANTAAAGACCCCGNGGNNNGNGGNACCCNACCNTGANAAAAAACCCTGNNAA
NGGNCNAAATTAATAATCCNCNAAAAANCNGANAAAAATGGTAAAAA

Sequence 3203

CCGGGCAGGTACGTTTGCTGGAAGGATGGCATGTGAGCATAAATGGCCAACCCCAATGG
AAATACACCGTNCCAGTTTCAAGAATCAACACATATGACAAGGTAGCTTAGCTACACAC
ATGANAAGCCTGAGAAAGTGTTGTTTGAAGTGGGTAGTCACCTGTACCTCGGNGCCT
CTAGAAGTAGTA

Sequence 3204

CCGGGCAGGTACTCACTTCAGCCTGGCAAAAGAGTAAGACCCTGTCTCAAAAAAGAAAA
AAAAATTGGTCATGTCTCAGACCAATTAAATCACAATGTTCAATGGTGGGATCTAGACAT
CAGAGTCTTTTTTAAAGCTCCCCAGGTGATGCTGATGTTAGCCAGTTTGAGAAGCAC
TGATCAGCACTTTC

Sequence 3205

CCGCGGTGGCGGCCCGAGGTACCCTCAGGCCTGGTGAGGAGGTCTTGGAAGAACCTAA
TAAGCAAGGCCAAAGGCCATGGTGGCTGAGGAATGGCCTGCAGGGGGATGGGGAGTGGGC
ACATGTGGCAAATGAGGTCTGGGTTAAGACCAGACTGGGAAGGGATTTATTTGTCATACC
ATGGAGTCAGACTTTATCTTAAAGGTAACAGGGTTTCTTAATCTTGGAATTTCAAATGAC
CTGTGACTCCCAACATCTGCAAACCTCTCCCCACACACAAATGCAGATGGTTTCAGTATG
TGTGCTTCTCTGGGAAGAAGGTCCACAGCTGTCACTGAGTCCTCAATTCTTAACCCAATA
CCTGTCAAGAACCATTGCCACCGCAGGTTTCAAGAAGGATGAACATAATGCTCCGTGCACC
TTGGCTCAGCAGCACTCACATCCCAGGACCAGGATCTGCACACCTGGCCCTTTATGGAGC
AGTTCTACCTTAAAGAACAGGTGANGCCACATGCCCCACGCACCCTCAGACCCGACGG

Table 2

ACAAGGAGGTCTCANACCTCTTTTGTTCATTTGATTTGGTCACCCCAACCCACTGGCCAA
CTTCCATTTGCAAG

Sequence 3206

CCGCGGTGGCGGCCCGCCCGGGCAGGTACACATATGGTATAACAACATAAACTGACTTG
GAAGCGATTCTCAGCAGTGCCCCATTGATCTGCCCTGCCAAGTGACTGGCTGCCAGTGC
AGGGCTTACCTTTATGTCCCTTGAATGGTAGCCAGCCCATTTTCTGCAANGTGCAAAC
ACTTTGCTGATCANGCACAGTGCTGCGCCTGGCTTTACATGCAATACATGTTCCAAGTGT
TCAGGATTCCATAGCTGCTTCACTTGTGCTTGTGGTCAGCCTGCATATGCCCATGACACA
GTAGTGGAAGTAAGCAAGGAAAGATTGGCTCAGGAAAAACCAGTGGGTACAGGNACATT
CCTTATGCAGCCATGGGGAGGGATTAAGTGGTTTCAGCCTCGCTTGGGCCGNGAAGGCT

Sequence 3207

AGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGNGTGGCTCATGCCTTTCAAG
ACACTGNITCTTCTTNCCACTCCAGTTCTCGCCACCCCTCCCTTNCAGGGCCCTGTA
TGCCTGANGTGTCTTTGGAGGCAGCGGTNGCACTGATCCAGGCNNGCAGAGCCCAAGATG
CCTTNACTCTATGTGAGGAGTTGCTCAGNCNCACATCATCTCTGCTACCCAAGATGTCCC
GGCTGTGGGAAGATGCCANAAAAGGAACCAAGGAAGTCCATACTGCCACTCTGGGTCTN
TGCCACCCACCTGCTCAGGGCCAGGCCTGGGTCAACTTGGGTGCCC

Sequence 3208

CGCCCGGGCAGGTACAAAGGTGCAATCTCGGCTCACCACAACCTCCGCCTCTTGGGTCA
AGCAATTCCTGCCTCAGCCTCCTGAGCAGCTGGGATTACAGGCATGTGCCACCACGCC
TGGCTAACTTTTCTGTATTTTCAGTAGAGACTGGGTCTTCCATGTTGGTCAGGCTGGTC
TCAAACCTCCCGACCTCAGGTGATCCGCCACCTCGGCCTCCCAAAGTGCTGGGATTACAG
GCAGGAGCCACCACGCCCGGCCAGGAAGCCATTTTCATGGGAGGGATATAGGGAGAGGA
AGGCGATATTTACATCCCACTCTGCACAACTCAAGTACCTCGGGCCGCTCTA

Sequence 3209

GCGAATTGGTTTTCCANCTGTGNCGGCCGCCCGGGCAGGTACGCGNTTNAGCATATATTG
GNGGATTTTTGTCCATATTTATCTGCTTTAAGAATTAACGAAAGCAGNGTCANNACAGT
AAGGATTCAAACCATTTGCCAAAAATGAGTCTAAGTGCAATTTACTCTCTTCTGTCATTG
ATTGGTGGTACCTCGGCCGAGGTACACAGGGAAAACTCAGACACAGATTGACGAAATG
GGAAACAGAAATTTAGGCCCTAGGGGACAAAGGAAAGAGGGAGCCAAAGAGACTCCCTCT
GACGTTCCCCCGGATAGTCTTTAAGGAGAATGCTGCAGGTTTGGAGGGACAACCTTGA
ACCAGGGACAAGGAAAAGGAAAAGATGATAAAGTATTGCTGNTTACCTGGCCCAAAGAC
CCGATTCGCAAGCCTTCAAGTCTTTTGATTTAAGTTTGGCTCAGATGAAGAACTGGGGTG
TGCCAAGCTTTAATTCTCTATGTNAATGATAAAACCCATTCTAGGCCAGGGCGCGGNGG
GCTTACGCCCCTGGTNCACACTTTGGGANGCCCAAGGTGGGTGGGATCACGAAGTCAG
GGAGAACCGANAACATCCTGGCTAACACAATGAAAACCCCATCTTTACTAAAAAATNCA
AA

Sequence 3210

NCGGAGCTCCCCGNGGTGGCGGCCGANGTACTCACTGCTNNGCGATAGGTGATTGTCTCA
CCGCTCAGCTATAGGCTANGGTNTCAACCACTCGGTGATAGGCGATTGTCCCATCTANGTC
GCCAAAATGTGTCTGGAATNGGTGGTTCTTCGNTNACTGACTTCA

Sequence 3211

CCGGGCAGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTACTGGGCATCT
ACCCGGGAATCCGGGGTCCCTGACCGA

Sequence 3212

CCGCGGTGGCGGCCCGCCCGGTGAGGTACTGTCCNTTACCTGACAGTAATNNTCGGCCTCA
TCCTCGGCTTCGACCCCTACTGATGGTNAGGGTGGCCGTGTTCCAGAGTTGGAGCCAGAG
ATTCGCTCAGGGATCCCTGAGGGCCGGTCGCTGTATCAAAAGACGGCCAATGTAGGGAC

Table 2

CTGGCCTGGCTTCTGCTGATACCACTGCACACTTTTACTTTCAATATTGTCTCCCCCACA
GGAAATCCTGGCCGTCTGTCCCGGGGCCACTGACACCGAGGGTGGCTGAGTCAGGACATA
GGAGGTCACAGAGTCTGTGCAGTGAGGAGAGGAGGCCCGAGGGAGGAGAAAACGGTCCAAG
CCATGGCTGGAAGCACCACCAGTGGCTGCTTTTNTTAAGGCC

Sequence 3213

ATACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACT
GATTTCACTCACCAGTGTATCACATCTTAGCTTCTCTGCTAGTCTCTTGGCTTGAAGTTG
AATATCTGGTCTTGAATGGTCATTGTCTTTTCCAATAAAGAATCCACAGAAAGCTGAAA
ATCAGCTACTTCTCTTTTGGGAAAATTGGGAACCTGCANATATTGATGTGATCAAGTT
TTCTGGTGGAAAGATTCAACACTCTGGAAAGCTGGCAAGCAATAGCGCGGCGAAAGCCGCN
CGCCATGTCCACCTNTACGGAAGTGCGCCGCCCGCGCTACCT

Sequence 3214

NCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCAGAAGTGTCC
TGGAATGGGGCCCATGAGATGGTTGTCTGAGAGAGAGCTTCTTGTCTGTCTTTTCCCTT
CCAATCAGGGGCTCGCTCTTCTGATTATCTTCAGGGCAATGACATAAATTGTATATTCG
GTTCCCGGTTCCAGGCCAGTAANTAGTAAGCCCTCTGTGACACCAGGGCGGGCCGAGG
GACCACTTCTCTGGGAGGAGACCCAGGCTTCTCATACTTGATGATGTAGCCGTAATCCT
GGCACGTGGCGGCTGCCATGATACCAGCAAGGAATTGGGTGTGGTGGCCAGGAAACGCCA
GGTTGGATGGTGCATCAATGGGCAGTGAAGGGCGTTCGATGACCCAACAGGGGGGAGCT
CCCGAAGCATTGTCATTCAA

Sequence 3215

GANCTCCACGCGGTGGCGGCCGCCCGGNCAGGTACCTGGCTTGTCACTCCCTTNTTGA
GATGACTAAGGAAAATTATCTTCAGATCTGGTTTTGTGTGTGTGTGTGTGTGTGTGTG
TGTGTGTGTGTGTGAATCCCTGNATATNTATAGTTTACCAGTTAAATTTGATTTNAAA
NNCANTTTATTATNGGACATATTATAANTTTTTCANNAAAAATTTAANAAATTGGGATA
TTTGGTGNTTTTAAAAAATAATNNTNGNCAANAATTAATTTTTNTGTAAAAAATAA
ATNTTAAAGGNGNNTTTNTTTTATAACNTGNATTATAAGGGGCNNAATAAAAAATTT
TTNTNAAGTTAATAA

Sequence 3216

CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAATT
CGCGGAAGAAGTGGCTCACGCTTCCAGAGCCACATCATCGCGGTGAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCTGCAGGTACCTCGGC

Sequence 3217

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGCCTCGACCTTTTTT
CAGCTCATCTCGGAACATATACAGAGTTGAGAGTTTTAGACAATCTCTAGGTAGAGGAGA
CAAGATGTAGACCCAGACAGAAGAAATCTGCTTCCCTACCATGGCTATTCCAGCACCCCA
ACCTGTAATTTGCCAAGTCTCTAAGGTACCTTGCCCCGGGCGGC

Sequence 3218

TNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCAGTATT
TCAAATCAGAACANAAGATTGGAACTTTTGGAAAAATGGGTTCAAGCTTTCCTATTAGCC
ATGGAAATGCAAAGTTTAGCAGAAGCAAGCAATTAGGCAGAGAACAAAAATGTTAAGCAT
GGTGTGTCTATCTTATTGAAGTGGTTGGAAATGAAAGCTTTTAATTTGATAGATTTATC
AGTATAAAATTAGGGAAACACGTGTGGGAATGAATCAATTTAGAGCTTCGGGAATTGT
GAGGTGACTTTTGTAACTTTTGTCTGTGTGTGACCTGTGAACCACTAGGGATGTGATCT
GCCCTTGTGGGCAGGTCCCAGCCATAGTTAGGGAGTTAAGGGCTTAGCATTAAATTTCT
TTAGCTGGTATCT

Sequence 3219

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCACCTCCAAGTGGAGTG
AGCCACGCTACCACTAACTGAACCAAGCACAAGAGCTCCTGCGAAAGCAGAGGGGCG

Table 2

GGAAACAAAGAAGCGGGTGGTTAAGGGCACGAACCGCACACTGCGGGACGCCGGCATCTT
TGAATTCGCCCCTTCACTCCTACAGAGCCAACTGCAAAACAACAGAATTAAAAAGTTA
CTCTCCCCAATCAAAGACCTGGAGGAATAAATCGTGAGTGAAGACCTGTCTGAAGCAAAGG
TTGAGAGGTGATGGAGTGGTATGGGAGTGGTAAACACAGTGTGAAAATCGTCAGCACCT
TCCCACCCAGCCACGTGGAGTTTCTCAAGGGCTGAGGGCGGGAGCCAGAAGTTGGGCAG
GGAATCCCCCGCTACCTCGGC

Sequence 3220

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTAAAAATAC
AAAATTTAGCTGAGTGTGGTGGCAGGCGCCTGTAATCCAGCTACTCGGGAGGCTGAGGCA
GGAGAATCACTTGAACCCAGGAGGTGGAGGTTGTAGTGAGCCGAGATCACGTCACTGCAT
TTCAGCCTGAGCGACAGAGTGAAACTGTCTCAAAAAAGAGAGACTTCCGGGACAGTCATT
ATCAGATAGGCCCAAGCCTGTGATTTTCTTGGGCAAGATTGGTGTTTACTTAGGGGTG
CTTTAAAAATATATTTTTACAAGTATACTTGTAGGAAGTTGGTTTTTATTTTCTATTTT
TGTTTGTTTTGGGAGTTTGGTTTAAACGACTCTTTTATTTTCTGGTTTGGCCCTTATC
TACTAAAAG

Sequence 3221

TAGGGCNTATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGA
CTTGAAAGGTNACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGAC
AAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCT
CTTGATCTGCAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCT
GAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCTGGACAA
GAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTG
CCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCAGTATCCTATGAA
ATACACCACTGAGAAAATCCTTGAAATTG

Sequence 3222

CCGGGCAGGTACAAAGAAGCAAAATATAGGAATATGAGTAGGTAAAGGGTGTGGGCGAG
TGTGTGGATGTCAGGGAGTAGACAATGTTTAAGTTACATAATCCCTGGATGTCATAGCTG
CTTTAAAAATTTCCCCACAGAAGCATAATTTCTTTAGCAAATTAGAACTGAATTATTTTA
TTATAAAAGGTATGATAATCATGCTATAGAAATTTTGGAAAATAGAAAAAAATTAACCT
ATAATCTCGCCTTAACACAGCCACTGTTTCTTTTGTGTATGTTTTGTTTTTGTAGGT
TGAATATGCACTATTAACATTAGAATTCTAACAGAAGGATTTGTCAAATTAAGCATATT
ATTTCCATCTTTTGTAAATGGGATTGCATTAGAGCTTGTTGTCATTTTTTAAAC

Sequence 3223

CCGCGGTGGCGGCCCGCACCCGGCAACCGCTAGGGTGCATGGAGACACATTAGGTTACATA
ACCCTTACCGTGTTTCGAAACCCCTTTCTTGATCGTGTGGGTGGCTCTGAAAAGAGCCTTT
GGGTTCAGGACGCCGAGGAACGCCTCACTTGGAGCTGGTGTACCT

Sequence 3224

CCGCGGTGGCGGCCCGCCGGGCAGGTACCACAGGAAGCCGCCTAGTGCAGAGAGGTTGTG
AAAACAGCAGCAATGCAATGTGGAAATTGTAGCGTTTCTTTCTTCCCTCATGTTCTCAT
GTTTGTGCATGTATTAATGATTTACAAGACTAACCTTTGTTCCGTATATAAAGTTTAC
CACCCGTTGNTGTTTTACACCTTTGGGGAAGCCAGGGAAAGCGTTTTTGGAAAACCG
TATCACCTTTTCCANATTCTCGGATTCTCAGACTCTTGCAACAGCACTTTGCTTGCGGG
NANTCTTNTGGAATGCATTTNACTANANCATCCCCAACCCGTTGCAAANGTGTANACTT
GNTGCTTTTGCAAAAGTAANTTTGATCTAGAAATTCCTNCTGTAAGAAATTTAAG

Sequence 3225

AGGTACGCGGNGAGGCATTGAGGCAGCCAGCGCAGGGGCTTCTGCTGAGGGGGCAGGCGG
AGCTTGAGGAAACCGCAGATAAGTTTTTCTCTTTGAAAGATAGAGATTAATACAATA
CTTAAAAATATAGTCAAATAGGTTACTAAAGATATTTGCTTANCCGTTAAAGTTTTTT
AAACCGTAAATNTTAAATAGGCTNTTAAGGANTTTTTTAANAGGAAGGAAAAAATTATT

Table 2

GGAA

Sequence 3226

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAATGTNAAGGCTGT
AACAAAGTTGTAGAGGCTTTTTCCAGACATTCTATGCAATGTTCTCCACAGTAAATACCT
GGGGGCAGCCAAGAGGGAAGATTTTCAGATAAGTGCAAACAGTGATTGGATGTTATCTACC
TACANTCCCTTTAAGACATTTTTGAGANAACNTGTTTAAATGTTTGNNTAACTCTCCCA
CCCCGACCAATGAATTCCTTACGGACCAGCAGTGCCCTGGGANACTGAGTNATGAAAAACA
TCCTGTNAAGCTTTCANGACCTTTGGGCAGATGGGACTCTGCATACCCGTGGGAGCACAA
AGGACTAANAAAGCTGCCAGGTAACCGTTNTTTGGGTNAACCCCGAAGAACCAACAACCC
TTGGGCCACCAGGGATTAACTTTGGCCAAAAATTTT

Sequence 3227

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGTT
TGAGCTCCCACTTTTCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACA
TCCTTTCTGGTCTTTGATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACT
AGAAGCAGCTAGTGTGTGCCACTCTCACAAATAGCAGAAAGAGTGGTGAAGACACTAGCT
CTTCAACCGGAACATCCAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTC
GGATCACGGAGAAGAGTGGGACAGATCAACCATTCACCCAGGAGTGGCACAGACCCAGGG
GAATCCCCCTACAAGAAAATGGTGAGTGAGTGAAGAGTCCCGTGGGATG

Sequence 3228

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAAATTTTATTTAA
GGTCTTTAGAGAGCAACATCCAGACTCCAGAATACAGCTGCCAAGGAGACCCTGAAACCA
AATAAGCACAAAAGTAAGAACTTTACCAGAGTTATTAAGTTCCTGATTTACCAAATGG
ATACACACCCGCGTACCTGCCCCG

Sequence 3229

AGGTACTT
TTTNCNNAA
NNGNAAAAAAAAANCCCTTTTTTTTTNNGNAAANNAAAAAAAAAANCCNNNNANNATTNGGA
AAAAAAAAAAAAAAAAATNNTNNNCCCCNANCCCCAAAAAAAAANNNNAANNAAAAAAAAAATN
GGNNNGGCCNNNNCCCCCAAAAAAAAAAAAAAAAAATTTTTTTNAAAAA

Sequence 3230

AGTCCACCGCGGTGGCGGCCGAGGTACTATTTTTATTTTGCTATATTNGGGTTACTAAT
ATTTTGCTTAAATTTTTTCATCTAAGTTTGAGAAATTTGCCTGTAATTTCCATTCTTGT
AAAGCTCTTGTGAGGTTTTGGAAACATGTTTATGTTGACCTTATTAAGTATTTGATGGC
GTTTTCTTATGTTCCCAAGATGATGTTGCAAAGTTTTCTGTTATTTCTTCCTTATATTT
GGTCCATTTTATAAGTAAACTTTGAGTTCATAGAGATTTGAAAAAAATAGCTTAAATA
GGCTGGGTGTGGAGGCTCATGCCTGTAAGCTCAGCACTTTGGGAGGCCGAGGCAGGTGGA
TCACCTAAGGCCAGGAGTTCGAGACCAG

Sequence 3231

GGAGCTCCCCGCGGTGGCGGCCGAGGTAAACAGGTATCCTTAATGACTATTCTTTTCTTT
TTTTGCAAATCTGCACTAGGTATAGATTTAGATCGGATCCATTTGAAATTATATTTGAG
GAGCACAGAGCAGAGATAGTGATCAACTNATTTAACCTTTTGAAATGATAGTGAGGTATT
TTNATAGNGTTAGAAAAGGAAAATTTTCTTAATATGAAAAATCATCTTAAGAAAACTAA
CTCAAAGTTCAGCAAATTTATACATCANATGTATGAAAACATACTAGATTTCTTTTGCTG
AAATAATCAGTGCAAGATGAAGAAAATGTGCTACTAGGAGGTGTTTTTCCCAATAAT
GTTGTGTGCCCTGTTTTTTTTTATTTTCCCTATTGGGCTTCATTTTCANTCCTNGGCCTGT
ATTGTTATTTAAATTTTATTTCTAATTACCTGGGGGGGA

Sequence 3232

GGTACAATTACTCTATTTGGAATTTAGTAAGGAGCAAACAGCACAGGAGTGTTGGGCGGT
CCGAATGGGTCCGGGAGCTGGCCGCAGGAGTGCCGGAGGAAGCGCAGAAGTCTGGAACAG

Table 2

TGTTGCTGCTGGAGCAAGTCNAAGACTGAAAGGGGGAAGTCACTGCCACTTGCTTGCTGC
CGGCTGCTGCAAGCTGCTAGAGGGTTTTGGTATGAATTCGTTGGAGCCAATGGCTTTGAA
AGGTTCTTTTAAAAATACTAATTTTACCCCCAGTGGGATGTGCCTGTCTTCTGTAAGTT
TGTTGTAACGGACTGTATTTAGGTTTCGGGG

Sequence 3233

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTACAAGAAAACCAAGAAGCCAAA
AAGTGTCGAATTTCTTTATATACTCTAGGTTTTATTTTGGATGAAGATTATTTATTTAG
CTCCCCACCCTTCACTCCCATTAAAAATTGCACCTCAGCTTCATGGACCTGAGATTTCAC
TTGGTATACTGGAAAAACCTTTTGGCAAGAGGGACGGGTTTTGTGAAGACAATTTTTC.
CACAGGGGGTGGGCGGGAATGGTTTCGGGATAAAAACTGTTCCACCTGGGATTAGATTTT
NTTAAGGAGCACCACCTAGATCCCTNCTTGCAAGCGCAATTCACAATANAGTTCACGTCC
CCATGAGAATNNTANATGCCNCTTGCCAGGTGCTAATGCTTGG

Sequence 3234

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTAGGTTTACTTCTGCTTCATATT
GCTATCTTCACTCTTATTTTAAACAATTTCTTATGTTAAATTCCTAGCCCATCTTTTCC
AATAATTTANCTTCAGTTGTTTCACTGTGGCCTTTTTTAAATACTGTATTTACTTCTCC
AGCATCTAGTTACTTTTGTCTGAGTCCAAATTCCTGCAGGTGTCACCCCTCAGCANA
GAATCTCAGGCACCCANAAGAACTACGGAACAGTTTGCTTTCCCTGTAATAAGCATTAGG
TCAGAATTTCAACTTCAAATTTGAAGAAAGGAGTAGCATGGAAA

Sequence 3235

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTNTTTNNNTTGG
GACGGAGTTTCGCTCTTGTTGCCAGGCTGGAGTGCAATAGCACGATCTCAGCTCACTGC
AACCTCCGCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGANATT
ACAAGCATGTGCCACCAGGCCCGGCTAATTTTACTTTTAGTAGAGATGGGGTTTCTCC
ATGTTGGTCAGGCTGGTCTCGAACTCTTGACCTCAGGTGATCCACCCACTTTGGCCTCCC
AAAGTGTTAGGATTACAGGCGTGAGCCACTGTGCTGGCTGGTTTTATTTTAATTGTTAA
TAACCAACTATACAGTAAATGATTTATAAAATAAATACTGTTAATACTTGAGTTGAAAGA
GAAAAAATGTGTGTGTCTGAGTTTATGGGTGCCTTAATCTCACCATGTTAAAAAGTG
ACCCGTTAATTTAATGATCCCTGATAACTAAATCATGTTAAC

Sequence 3236

ACTATAGGGCGAATTGGAGCTCNC CGGTGGCGGCCCGNGCANGTACCACCATNGCT
CGATGTATGTNCACAGTTCATACACAGGCACCATGAAGANTCCCACTNTACCACAACCTTC
TCCTGTGGGTGAAAAGGAAAGCAGGAGGACTTCAAAGCTTTCATGACTGGGGACCCCTGC
AAGTCATTGCTGCCTTTGCANACACTNTCANCCTTGCTCTACTAAAAACGCTGTANTCTTC
ACCAAGTGTGACCTNAGCTGATGGAACCTGAGTCTAACTGCTGCCCCTCCTGGAG
CTGGAACAGCCACTGTGTCTTCAGAGAAGAAGCTACCACACCCACCCAGTTGGTGGCTT
CATACCTNNCCATANGTGAGGTCTTTNCTTACTGAAGCCAGTACCTTGCCGCTCTAGAA
CTAGTG

Sequence 3237

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTGTGACTGACTTTTTTCATTTAGCCT
AATGTCCTCAAGGGTCATGCGTGTGTATTCTATGTCACAGTTACCTACCTTTTAAGGC
TAAATAATATACCGTGTGTGTGTGTGTATACATATATATACCCTGCAGTTTGAGAAT
TGTGCATATACATATATATACATTTTAAATTCATTTTTTAATCAATGGACACAT
GGGTTGCATCTACATTTTAGCTATTGTGAATATGGCTGCCATAAACATGGATATACAAAT
ATCTCCTTCAGAGTGTCTTTTCAAGTAATCCTGGGTATATACTCAGAAGTGAAATTGCTGA
CTCATATGGTAATTCTATTTTATATTTTGAAGAAATCACATATTGTTTTTCAACACAGT
TATATCATTTTACATTTCAACAACACAAAAGTTCCAGTATCTCTACATCCCTGCCAATAC
TTGTTATTTCTGGCTTGGCATTGTTCAATAGTGGCCCTTCTAGGCCCTAGGTCTGGA
TGATATTTCTAGGCACAACCTGTGCCAGAAGGGAATCTGCTGCCTTGAAGGG

Table 2

Sequence 3238

CGCCCGGGCAGGTACCAACAGAATCCTGGCCAGGCTCCCAGGCTCCTCATCTATGATGCA
TCCAACAGGGCC

Sequence 3239

CCGGGCAGGTACGCGGGCTTGCCTGCACTGGAAACAGTAGATGCTCTTCAGGCTCTGTG
CCCCAACAGTTTCTGCGCATCCCTTCTCATCCAGCCTCTCACTGGGGGGCTGGCGTCAT
TATCCCATTTCGAGCTCTGGAAATGGAGTCTGCACAAGTCTCGCTGCCTTTTCCCTG
CCTACAGTACCACTATGGTATCCTAACACGCCACCCACTCTAGTGCCCTTTAGGCTATT
TATTTATTTATTTATTTATTTTGTAGACTGTGTTCCGAAAAAAAAAAAAAAAAAAAAA
AAAAGTACCT

Sequence 3240

CCGGGCAGGTACTCGCAAAATATGCTGGAACTTTTAGGGATCACTAGAGACATGGCTGC
AGCAACAAGCGGCGGCGTGTAGGCCCTCTGTGGAAGAGCCCCGCGTACTATTAGGACTCCA
ATTGTCAATACCAGTCCCTCAGGACCTTTCCTAACCTTCTACCTAGCACCTCAATACTCTC
TAGGAAACTGCATTCTGACAAAGGGTTTGAACATGTATGCAATCCTCATCTTTTCCCT
CCTCTCTGTCTGTCAATTCATTCTGTTTCAATAAATTTAGTTGAGTCAAATACTTGCCGAGA
CAGGCAAAAGATATGTTAGGAACAAAGCTTTTCTATCTTATTTCTTATCTTAATCTTC
T

Sequence 3241

AGGTACACAAGGGTTGGCCTGAGTCCCTGTGTTGTGAAAGTTGGCCTACAAAATGAGTCC
ACAGGGACTGTCATGGGTTTTGAGTTTATGGAGTTTGTNCATTGCTGGAGTCTACTGGG
ATGAGCCTTGGTCTGCTGAGCAGGTATGGAACCTGAGTCTGGGGAAGTGTGGGGCCATAN
AGGTCAGACTGAAGGGTAGGGTTATGGGGACTAGCCTATTACCTGCCCG

Sequence 3242

CCGGGCAGGTACTAAAAAGTGTTCCTAACAGCACAGGTTGTAATACTCCTAAACTGGAAA
GTAGCTAGATACTAAAAATAGTAGAATGGACAAAGGTAGCAGAGCGCGGTGGCTCGTGC
CTGCCTCGACCTCCCAAAGTGTCTGGGATTACAGGTGTGAGTCACCGCAGCCAGCCAAAGT
TAGATTTTTCCGATTCCAGTTCCTTAATTCCTTCCAGGAACTAGACTGCGCCCGGCCAG
CCCTGTTGTCTTTCAAAGAACCTCGGCCCCAGTGATGGCTGATCTCACTCCCACTGTCTC
GTAGAATTACACTCCTTCCTGAGGATCCCTCTCCTGCAGCCTTGTCCTTGGGGAGTAC

Sequence 3243

AGGTACGCGGGTGCTTACTTTGTATTTCTAATTTTAGGATTACAAATTTAGCTGGAGAAC
TATTTTTTAACCTGTTGCACCTAAACATGATTGAGCTAGAAGACAGTTTACCATATGCA
TGCAATTTCTCTGAGTTATATTTTAAATCTATACATTTCTCCTAAATATGGAGGAAATC
ACTGGCATCAAATGCCAGTCTCAGACGGAAGACCTAAAGCCATTTCTGGCCTGGAGCTA
CTTGGCTTTGTGACCTATGGTGAGGCATAAGTGCTCTGAGTTTGTGTTGCCTCTTTTGTA
AAATGAGGGTTTGACTTAATCAGTGATTTTCATAGCTTAAATTTTTTTGAAGAACAGAA
CTTTTTTTAAAAACAGTT

Sequence 3244

AGGTCATTGGTTTTTAGAAACGATGCTGAATACATAGGAGCAATCCCTGAGACCAGATAT
TCACTTCAGCAGGGCTCTGTGTTCTCCTCTGGCTATGTGAGACGAGAAGTCAACCCGAT
CATGGCTTTCGATATCCACACATGTTACANTTCGAAAGGGGTCACGGAAGCCC

Sequence 3245

AGGTACCTTTTCGGGCTCCTGACTCCTGCCGCTTCTCTTCCCCTTCCGTGGGTACAGGGCCG
GTCCGGTCCGGAACCTGCAGCCCCCTTCCAGTGTCTAGTTGCCCCGTGACCCGGAATA
ATGAGCAAGGAGGGTGTGGTGGGTTGAAAGCCATCCTACTTTACTCCCGAGTTAGAGCAT
GGATTCAGTTTTAGTCTTAAGGGGGGAAGTGAGGTTGGAGATTTTTATTTTAAATTTTG
GCAGAAGCAGGTTGACTCTAGGGATCTCCAGAGCGAGAGGATTTAACTTNATGTTGCTCC
CGTGTGTTGAAGGAAGACAATAAAANTCCCACCCGGGCAAAATTTTCNTA

Table 2

Sequence 3246

CCGGGCAGGTACCTGGTGCTGGGAAAGAGTTGACTAGGCCAGCATCCCTTTCCTCAAAGG
GTGGGGCTCCTAGACTGGGGGGAGGGCTGGACATCTGAATACA

Sequence 3247

CCGGGCAGGTACCCTTGTGTGTGAGGTTCTAGTAATTGGGTTGTTTCCCAACTTAGGAA
TGATCCAGGCCCTGGGAGGCTTCTTTACTTACTTTGTGATTCTGGCTGAGAACGGCTTCC
TCCCAATTCACCTGTTGGGCCTCCGAGTGGACTGGGATGACCGCTGGATCAACGATGTGG
AAGACAGCTACGGGCAGCAGTGGGTGAGTGGGCACCTCTGACCTGACCAGTGTGAGAGCT
CCTCAAGCCCCAGAAGACTGAGGCCACACTGCCACCAGCCATGCAGGTGAAGAGCCAGAG
CTCATCTTCTGTCTTCTGCATTTACANACCTATGAGCAGAGGAAATCGTGGAG

Sequence 3248

AGGTACAGATACAGTTTTTAAACCTAAAGTTACTGGTGAAACAAGCTTGCTATTACTGAG
ATGTATAATGAATGTCTTAAAGCTATAAATCCACTCATCGTTGTGTTAAGGAGGAACTG
AAGCACAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTTGACAAAAGGTTGATAA
TAAAGTTGTCAGAATTTCAAAAATAATTTAAGTGTGACTTTGGAATCTTAAATCATGTT
ATATTAAATTAANGTAACACTTTACTGATTTAATATTTGAGTCATTTCTTAAGGAAAATA
CTGAAATATCAATTGCTTAACAGAAGTT

Sequence 3249

CCGGGCAGGTACGCGGGATAGCAAGGACTAACCCCTATACCTTCTGCATAATGAATTAAC
TAGAAACCAAAAAAAAA
AAAAAAAAAAAAAAAAAGNTCCNTNGNCCGCGCCGNCNGGTNCNTTTNTNCANTGNAAAANTA
GGNANNTGTAAANANANTNNCAATGGTNTTTNTNAAAATNAAANTNCNTTNAANATNTNT
TGTAANNNNANTAAAAANGGGTNAAAANTAAANTTTGTAAATTAAAANTNTAAATNG
NTAAAAANTTNAAAAATA

Sequence 3250

AGGTACAGGAGCTAATGATCACGACAAAATCTTTAGCTACCATTTGTAATACTTTCCTGT
TGATGCTCTTGTAAGTTACCATAAACTTAGTGGCTTAAACAACAGAAATTTCTTTTCTT
ACTATTCAGAATTCAGAAGTTTAAATTTGGTTTTACTAGGCCAAAATCAAGCTGTCAAC
AGACATGCATTCCTTCTGGAGGTTCTAGGGGAAAATCCGTTTCTTTCCATTTTGTCTC
TAGAAGCTGGTTGCATTCATTGGCTTATGACCCCTTCCCATCTTCAAAGCCAGCAGAA
TAGCATTTTAAATCTAAATCACATCCTCTGACTCCCTGCTTTCATCTT

Sequence 3251

AGGTACTCTAAGGTGATTACAGGAATATGGGGCAGGCCCTTTCCATCTGGAAAGTTTCAT
GAGTTGAGTGGAGAGTCCTATAAACCCAGATGGAAACCAGAAACCAGATAAAAGGCTGAG
AAATCAAGGGTTAAGGAGGAAGAGCTTACTTTGAGGAAGATCCCGCTACTGCTACATGT
AGTGAGATTATTTTTCAAGCTGAATTGAAACCACACATTATATAAAGTTTAGCAACAAAC
AACCATGTAGACATGCTGCACCATCTATCAGTTAAAAAAAAAAAAATCAAAATAGGAAGC
AGGCTCGGGCCACTCCTGTCACTGAGAGGCAATTCATTTCTATCCTAAA

Sequence 3252

CCGGGCAGGTACTACCTCTAGGAAGATGGTGGTGAGAGTGCACAGGGGTCAGGGTTGGGT
GGTGAGAGGGTTTTCAGGAAGGTTCTTGATTTGGCACAAAGGCACCCCCCGCCAGAGAG
CAGTCAAGTCACTCCCTTGGAGTTGGAGGAAGCACTGGCCTGTGACTTTTGGGATTAGGA
TGTGCCGAGTTGGGTCTCCTCACCAGTGCAGTAGAAAAGGGCTTTCCTCATTCTTATTA
AGGTTACTGTCAATCAAGTGATTATAGAAGGCGTATAATTTTAAATGCTCCTTTAAAAAA
ATTGTTTCTCTTCTCACATCATTACTTTGCTTTTTTGTCTTTTTTTTTTTCAGGAC

Sequence 3253

ACNGNCCAGGTACTTTTTTTTTTTTTTTTTTTTTTTCGGTGNATACAAGGGGCTCCTTCA
TATATNCAATATTNNAATATNCGGGCTGTNTTCTATCGCAATCTTCTCANATCTAACT
TNCAATCCACTGGATATTACCTTNTACCATATCTAACCTAATGTTTAATCCATCCATTAA

Table 2

GNTATTTATTTAAANGTGNNNTTCATTTCTAAAAATNCANNNGGCCCTTTTAAAAATC
TTCTCCTTTTTCATATAGCACT

Sequence 3254

GGNCTCNGNCACTCGAATAACCCGACATGGCGTCAATGGTTGCGGTTGGCAGGNGAACTG
AANTATATAANAAAAGCAGTGCTGACANGTCACATGGAAATGGNCTCGATGACNGNGAAT
CCTTGCAANGGGGCGGCAGCGNGANGAAGGACANCCGATNACACCAGCCGAAGCTGCACTA
CTAGAGACCGGTANAAATGAATGAGGTNCCCGCGTACCTN

Sequence 3255

CCGGGCAGGTACCTCAGATTTCAAGCTTGTGACCCACTAGCTCAGCCTGGCCAGGTTAAA
TTGGTGTCTTAGGTTCCCTGTAGAAAGGGTCTGTGATTGTCAACCTGGCTGCGTGGGAGT
AAAGAAGGTGATGTCTGTGACAGGCCAGCACTCAGGGACTGAGTCCTGCACTGATGCAG
GAGCTGTGTACCT

Sequence 3256

CCGGGCAGGTACTAGGATTACAAGTGTGAAGCACTGCGCCCAGCCTCAGATGGCGAACCT
TATTGTGAAGTGCACATGCCAGAGATCTAGGTTGTGTGCTCCTTATGAGAATCTAACGCC
TGATGATCTGTCACTGTCTCCCATCACCCCACTATCTGGGACTATCTAGTTGCAGGA
AAACAAGCTTAGGACTCCACAGATTCTACATTATGATGAGTTATAGAATTATTTTATTAT
ATATAACAATGTAATAATAGAAACAAAGTGCACAATAAATGTAATGCTCTTGAATCATCC
CGAAACCATCCCCACTAACCTCAGGCTGTGAAAAATTGTCTTCCACAAA

Sequence 3257

TGGAGCTCCCCGCGGTGGCGGCCCCGNCNNGCCNNGTNTCCNTATNTATTNANGGTNTAC
TGATGNNATGCTNAGNNGGATNNACNNTNNGAACANAGGAANCTGCANNCTNNACNTG
ANTNACATGCTGACNCTTGTNTCCNTAGCCNANNCTNACATAACAGACNTCTNNTTGNCN
GGTCCAGCTCATATNNATTAANGNATACACACCTACTGGAGTANAATATCAAACCTTAT
NCTTACCTNGAACCNANAGGNGGGGCCACTNCCNTCTNNCNNTCTNTTTNTTNACTGG
ATAAAGGCCNACTATAGGTAATCATGTTTCATAATTGGTNACTAATGATAAATGTTTANA
TGCCATGGACTTTTANTATGGTTCACAAAGAGTGGAACACAAATGATAATCTGTGAAT
TCCAAGCTACTGTATTATATGGATATATGAATATAGTTTATGAATATATNTTAAACAAA
ATAGGATCATACNATGATGATGCTTTACAACCTGCTCTTTNTAATTAACANTATCTTNC
ATTTNAACNCATACAANCCTAACCTTTTTTTTAAAGTNTTCATTATNTANATATACCACAAC
CTTTTAACTATNCANTTGACCTNTNAACAACCTGGATTNTAACTGNATGGGTNCCCTTN
CCATGGATTTTNNAAAATAAATTTNTTGA

Sequence 3258

GAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTGAAN
NNAAAAAANTTTTTGGNTTNTNCNGNNGNNNAACAAAAANCCNNTTNNCCCCANCCCT
GAAAATTNNGNAAAAANNTTGTTTTTTNNCCCCCTTNNNTTNTTTTTTTTTTTTN
NTTCCCTTTNTCNNTNCTGNNGGGGGGNGGNCANAAGACTTCATTTNTCATCACAAAC
ATGAGCNAAAAGCACATACCTACCCCATGCCTCACCCCNACACACNCACACANATGCACA
NAANACATACACACACACGACAGAGGTGAACAGAACTGAAACATTTTGTNCACAACTT
CNCGGNACGTNGNCAGACTNGGTTTGCNTCAACCTGCAAAACACAAATACATTTTTTA
AAATCAANNAAAAAATAAANNNNTCCNCNNGGGGGGGCCC

Sequence 3259

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTAAANGATT
TTTTTTTTNTTTTTTTTTNTTTTTTTTTTTTTTTTTTCCGNCCNCNCNCCCT
NTAANTNATAANTANAACCTNACGGNNNAAAAAAANNGTGTTNNNTTATTAAAAA
AAAANANTNGTNNNTNNTAAATGNANNNNNCTTTTNCCTTGNTNAGTTNATAAAN
CATNCTANNACCTGCCATTCTGACTTTNTTAAANAAAAANNAANACCAGAGGGGGGNGGA
GATGTNANNAGNAAAACNAGATGGGGGAAAAANAAAAAATTGCTTTATGNGGGNCCAA
AATCTTTTGTATNGTAAAAATGCACNTTATTATNGCTNGNGCCTCACTGTTAANT

Table 2

GAATATTAAAGGGCTTGGNGNGGGGGGGTTNNAAAAAAAAANCCCCCNCNNNGGGG
GAAAAATTTTTTTTTTTTTTTTTTTTCCCCCNCNNGGGGGGGGGNCCCCCCCCNTTT
T

Sequence 3260

AGGTACTCAAGCCACCTGCCTGTCATGGCCCCCAAATGCTGGGATTGCAGGCCACCAT
AACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTGGC
CTTGAGGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCAACCACAG
TTATCTTGTTGGATGAGGCAAATGGCAGCAGGACANCTGGAGTATACCATAGTTGACTCA
TTTATTTTATGCATGCTTAGTGTGGCATNCCTGGGGACATGAAATCCAGTGAAATCCAG
TCTTTGTGCTGGAGAAGCTCATAGATCTGTGGGAGGAAGCANATGCCCCCACTCACTGN
ACCTGCCCCG

Sequence 3261

CCGCGGTGGCGGCCGCCCGGGCAGGTACCTGTAGGAGGTGGCTGGAGACCCCTGTTGGGA
GGTCTCACCCAGTCAGGAGGAATGAGATCAGGGGCCCACTTAAAGAAGTAGTCTGGCTGC
TTTTGGGTANCACTATGCTGCATGGTGGAGGACCCCTTCCTCATCCANTCTGGACTCT
CACAAAGCANGCNGACTGGAATAGCTGAGTTGATCAAAGTCAAAGATAGTGGCCACCAC
TCCATCTGGGAAGTCAATCCATCTTAGGCAGACTTCAACCTGTCACCACTGGCTGGCTGG
AATTCC

Sequence 3262

AGGTACAGGAGGGACTTTGTGGAGAATTCAGGGTGGCAGAATAAGCTCCTGAGAATTTAA
CTTAATCTTATCTTCTNAAATTTAGCTTCANTGAAGAGAAATGAAANCTATTGTTTCTC
ATTCTCACATCTCCAGAAAGTAACATTGAAGTAATCTCAGTGTCTTGAAGTTAGCCT
TTTTGAGTGGTTAAGTTGAAAANAAGTTCTATCTTGGTGGGCTCCCCAGAGGCTAAATG
GGCCTTTGCATTTGGGAGGTCAAAGTCCGGGTTTCATGCCATTCTCCCGCCTCAGCCTCCTG
AGTAGCTGGGACTACAGCCCATGAGGCTACTGAGCTNCAGTTTTTGT

Sequence 3263

GCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTNNTTTTTTTTTTTTTTTTNNTTNA
AATTNNTGNNTTCTNNTTGATTNATTTTTTTTATATNTNCCGAGGTCTTTTTTTTANAA
AANTTACAAAAAATGACTTTTAAAAATANAAATATNTTTNATACTNTTGGGAAGTACTT
TTAAGCAACCAAGGAGTTAGAAGTCAAATNGTTTCTTCTTTGTAAACAGCAACAATGACC
ACGGCTCTGTGCCATGGCAATCACTGCTGAGTGTCTTCTCCTACAATTACACAGGCCCGA
GCTGTGTCTGGTGGAAAGGTCTCCAATCAGGTCAGAGTCTGAAGGAGCAAGATCTTCTCA
TTAATGCAGAACCTGTGCAGAACCAACCATCAGATTCTCTCCACAGCGGGAGACCTGGCGC
TCCATGGCCAGGCGAAAGTCCCTTACGCTTTGGTGATGCCTCGAGTTACAAGTGTG
GTGCTTGATCAACATTCTTTGATTGGGTAGTAATTTCCAGATGAATTTTCCACCTTC
CTTGAGTTCTCAAAGTANGCAAAATTCCTTCAACCATATTAATTTTGAACCGTACCTG
CCCCGGGCGGGCCGAAGGACTTTTGGATTTTTTTTTTAAAAAAA

Sequence 3264

TGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCNTGNAAGACTTGAAAGGT
NACGTAGCTGACACTTCTGGAGAGACCATTCAAGGNTTCTGGCTCTTGACAAAAACGGAT
CCATTAANCCANCAACCAAGGAGAACATCTTGACACTTATGGAATTTCAAAAAGTATGAT
ATGATGGCAA

Sequence 3265

TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTGCAGAGGACTGGAATGGATATAATGT
CTGCAAAACAAAAACATGTCTAGTGAGCCATCTACTAATCTCAACCACTGGTCTAACTCA
TGACAGTCTCAAAATGAATATTTAAGAAAAAAGTAGTGGCATCTAAAAATATAGACGTTT
TGCAACTGACTCAGGGAGAGCTCTTCTTCACTACTGAATATACTGGTTTTAAATGATG
GAGTGAGACAAAGAGGCTCTTGCTGACGTGCTCTACTTTGATTTCTATCCTAAATCTAA
CAGGTAATCAATGTGTTTGGCTACCTATAGGAGCATCCACCAACTGATATCATTTTTTTT

Table 2

TTT

Sequence 3266

GAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCTTTGGTTAAGAGTAGACAAGGCAG
ACATCTGAGCCTGCATGACTCATCAAGTTTAGGGTGCAGGCACATACTCCACTTGTGTGA
TAACCTGTTTGTGTAAGCTGATACTTGCCCTGGAGCCACTATTGTCTGTAAAAGGTATAA
CTGCCCTGCTGACACTGTGCATGGGGGACATGGCTTGGCTTGGCTCTTGGGCATGGCTTG
ACATGGCTCTTGGCTCATGCCCAGAGAGAGAAGGAGATAAACTGCTGACCCTGAAGGGA
GAGCTGGCCACACAGCTGTGCGTGGGGGACGCCGAGCAAGCAGCCGAGACAGAACAGAC
AGTGTAGAAGAGCTGCTGATGANCGAGCTGCTGAATAAAGCCATATTTCCCCTACTGACA
GCCCCCGAGTGTGTTTCAGCTATCTGCCATTTCATCCCCCACTTCTTCAAACCTTAAC
ATGGGCTGGAACCTTGGACTTGAACCTGACNCANAANAANCCAGAAAATAGTTGTTGGCT
GGGTGCCGGTGTCTCACACCTGTNATNCCAGCACTTTTANAAAACAAGGTGGGCAAATACT
TTGAANCACANGAATTTAANAACAACCTGGGCGANACAAAAAAACCCTCTTTACCAA
AAAA

Sequence 3267

GCGGCCCGCCCGGGCAGGTACACATCNGCTCCTGGGCNNACCTTACAAGTATCTCAAACCTC
ATATNTNCATGANAGGTATATAANCTACGTAGACANGGGAAGCCAAGATAACAGGGAAGA
CAGGAGACTATCTGCCTATCTAAAAACACTCAAATCTTTTCTATAAGCACTGCTGATTT
AATCCATTACACCACCAGCAGCTGCCAGTTTACAATCTCTGCTACACAAGCCCTCCATTG
AGTTTAAAGACAACCGTNAAAATATCTNTCCAGTTTCTCCATTACCTGACTGTTACCAT
AGAGAATGCNGGTATTCCCACTCTGGCCTGCTGTGTGCAGGGTTTTCTCCTATCAGAATC
CAAACCACCTACCAGTCCCCGTACCTT

Sequence 3268

AGGTACTATGCCTTTTCTCCTCACTCTGAGAGTTTGAACAAAAGAATTCAATGACCTGATC
TTTTTAACAAAATTAATAATTTAATGTCCTNATTTTTGAAAAACCTAAACTCAGTGCTC
ATAGGTTATTTGGCATAACAGCAAGAATTTGGTTAAAGAGGAATATGAAGTGGAACCTGGT
TTNTAAGTCATACATAGCAGATGNNTANGTGTGTGTTTTCCACACT

Sequence 3269

AATTGGAGCTCCCCGCGGTGGCGGCCGCGAGGTACTTGGAAACCCGTTTGGATTAATTAGA
GGTCTGTCTGAAGGAGTTGAAGCTTTATTCTATGAACCCTTCCAGGGTGTGTTCAAGGC
CCTGAAGAATTTGCAGAGGGGTTAGTGATTGGAGTGAGAAGCCTCTTTGGACACACAGTA
NGTGGTGCANCAGGAGTTGTATCTCGAATCACCGGTTT

Sequence 3270

TTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCGGGGCTGGCTGTGCTGCCTC
CTCTGCTTTTAATCTTCTGNGGATATTTCTCCGATTTCCCCAAAAAGCCACAGATCCTG
GGGGAAGCCACCCCATTCGGCCACCGATCATGGAAGAAAGTATTACTTTTTATTACCAA
ACATTTTAAANATGTTGGAAGATCC

Sequence 3271

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAATTTTTTTTTTTTTTTTTTTGGG
GAAANANTANGNCCTCCCTNTTNCNCCCGNNTNGTTTTAAANCCNNGGGGNNANAANGNN
CNCCNCNCAANTCCCTTTAANGGGNNNGGNTNANGAGNTTANANNNNNNTNCCCNGGNCN
TTTTAAACNNNGNNGNCCCCCNNGGNTGGNANATTTNTNTNCAACCTTTNTATACCNGT
NACCNNGNNGGGGGNCCCCGNCCCCGCNTTTTTCNCTTNTANGGNGNGTAANTNGCCC
CCNNGNCCNANAAAGNGCTNAGGGNNGGGCCCGNAAAACNNNNNAAAGGATGACTTGGCGG
GTAGGGGAGGAAAATACNACCGTCCCCCTCTAACANAATATAACCAACGTCCCCCTACCT
GGGGATAGGCTGGTTAGAATTTGGTTTAAAGGCACTGGGTGACAAGCAAGGAGGGAGGA
TGCAAAAAAACTCTCTCACTTTCTNCTTTTTCCCANANCTTAAAGCGACCCCTATNCG
CANGGAGCGGGGTANTT

Sequence 3272

Table 2

CGCCCGGGCAGGTACCAGCTGGGGTAGTAAGTAGTAGAGACTGAGCCAGAGCTCAAGCCA
CAAGTGAGTGTGACTGTCCCTCCAGGGGACACTGAGAACGATGGCTCCTGGGTACCACA
GTCTGAGAATCCACTCCTGATCCATAAGCAAGGAGTCCGAGGAGAAGCATCATCCAGGCC
ATGGTGGGGACACTCATGAAGGCTAAGTGTCTCAGGCTTCCCAGCTGGGGTTTGTTC
CTCAGGGCCTTTTCCCCCGCGTACCT

Sequence 3273

TTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACAACCTGTCCTTCCCATCTCCATC
TGCCAACTCATTCTTACCCCTAGGACCTGCTGAGATGCTGCCTCTACCATGAAGCCATC
CNTGANAACAGTAGCTTGTATTTNTACTGCTGCTTCCAGCTTTGATTGGCTCTTCCCTA
CTCATCCCCTCACCTGACATCCGGACAGTGTGTGCAACAACCTATTATGATTATTATTGG
GATGGTCTNCTCCGGCACCCATAATCCTGTCTGAGTGAGCACCTGCACATGAGGTTGT
TTGAGAACTGGCTGAACCTGTCAACANTTGGTGGATTCTGATCCAGNANCNGATAGNG
GGCAGGANAATNNGGGTGTGGCTTTCCAAGCTCTGAGGCCCCACATTCTCAAAGGNAAC
TGANATGATNCCAATANGTGCNGGTTACGCCTAGTGGAAAAATCCAAAACATGTGCCTT
TGGCTT

Sequence 3274

CGCCCGGCCNNGGTACANATANCTTAGAGNATNTNCTNTNANTAGTCCTGANNATAAGGGG
TAGGGAGGNAANGGGTTTAANTCATAANNAAGGGCCTNGATCCCAATCCAACNCCATCN
CTNGACACATNTCCNTATCTGAANTCTGNGCNNNCNTGTCCACNNTNAAAGTNCANGNT
TCTCATAGATTCAGGATTCCTNCCNNNNGCNNNTCATNGCCCCCAACCGGGAANNNGNTN
NNGGTACGCCCCCTNNAAANACTATNCNGACNTNCAANCGGTCGCTTNGACNTTNCNTGA
ACTTNATNACNTTNCNGGTACCT

Sequence 3275

TGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTGATCAGCTCTGGACTGTCTCT
CAACCAATCCACAAATTAGTGAGAAAAGAAATAGCCAAGGCTAGGCATGGTGGCTCAAAC
CTATAATCCCAGTGCTTTGGGACAATAAGGTGGGAGAATCACTTAAGGCCAGGAGTCCG
GACCAGTCTGAGCATCATGGCAAGACTGTGTCTCTACCAAAAAAAAAAAAAAAAAANCCC
GGGGNGNTTNNNTNTNNGGGGNGNGCNCNCCCNNTTCCANTTTNNCNCNNAAAAAAN
NTTTTCNNTNGNNGGGGGGTANNNGGNCCAAAAANGNNTNNGGNNGNNCNTTTGNAAANC
CCNNGNNCTTTGGGNCCGNTTNNNNTTGNCCAANNTNNTNTTTCTTCCCCCATGT
NTTAAAAANNGGGGCTTTTTTTTGGGGCCTTNGNNGGGGCCAANTTAAATTTTTTGGCC
CCCCAAAAACCCNNTNNNAAAAANAGGGGGGGTTCNNNAANTTNAAGGCTTTNAAATTTA
AAAAAATTGGGGCTAAAAAGCGCTAACCCAAATGGGTTGGGGGNAAAAANCCCCNGNCN
CTTTNAAATTTGGGGTNNCCCCGGCCTNNGGGATTTTTTTTA

Sequence 3276

CGGGCAGGTACGCGGGGGCACATGCGCATTGCGCCCGCAGCCCTGGACCATTTGTCAGGA
CTACTCGTGANACGGAGAAAAAAGANAAATTTGGGGANCCNTTAGNAAAANTNT
TNAAAGNGNNCANCANTTGNNAANATCGCCANANAGTTNTGTNTTNTNCCGCCAAAN
GGTTAAAAATAAATCATGACTGANTNTGCCTTTATCANAANTGGTAAAAANTTTGATGT
TTTNAGNNTNTGGACTIONAAAAATGGANTGGGCACTTNNCCAGGAAGTNACTTANAGTT
TNGGGTAAATNATTTTGGACCCCTGGANCTTTTNTCTGAAAAAAAAAAAA

Sequence 3277

NATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCATGGCAGTCATGCAAAGCA
TGGGACAGAAGAAATACCACGGCAGTGAAGTGTGAGGATAACTTCCATTTTTTCCCTCGG
AGAGAACAGTTTACGGGGCAGAGGTGATATGTTCTGCTTTTGAAGATTACTGGCACACGT
TCAGCTTTTTCACCTCTCTAATCGACTGGAAGCAGCCAGCCGATCACTAGTCTCCATCC
CCCTCGAGTCTCCGATTGTCATGCCTAGGCCTTGCCACAAAGACAGCACCTTTATGTGA
AAAAAACTTAGAAAAAATGCAGGTTAAAGAAAGCAATAAACTTTCTTTAAAAAAGTTAA
ATGGAGATCTTCTGGGAAACCAGGCCATGAATGCGAGTTTGACCT

Table 2

Sequence 3278

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTAATGATGCTATTTCTTTTTGTGGTGGTGAA
ACAAAGCTCAGCCTGCACTACTGTCTCATGAGAAATTTTTATTATCTTTCATCAGATGA
AAGAGTATTTGCCTACACATTGCCAATATTCATCCAGATATATTTTGGGAAAAAAGCTC
TTCAATTTCTCAAGCACTTTTTTCATCTTTGAACTGGAATCCAAGTCATGGAGGCCCAT
CACCTTACAGCCTCTTAAATGGCAAACATAATTATCTTTGATTTTGCTTTTCCTCAGGC
TGCATTCTTAAGTAATTTAATTTTCTTTTGTNATATGTGATTGGCAACAATGCGC

Sequence 3279

CTNACCGCGGTGGCGGCCGCGGCACTGCTACCCATTCTNCAGTGGCACAAGCACCCCAAT
GATTACTTTAGTAAGGAGGCATCCAAATTGTACCTGCCCGGGCGGCGGAGGTACGCGGGT
CCTATGAACAGATATACAGTNGTGTGTATAAATGTGTATGCCAGCAGCACTCNGAACAGA
TGTATAGTGATCTGATTAATAAGATAACTAATCACTTATAGAGAGTCTCAAAGGAGCTGC
AGGCCANCCCTNCAGATCTCTATATTGAAAGATTTAATATAACTCTTGACAAATATATGG
GAGCATTGCAGAGCATTGTGCCTCTTTTCATATNTATGAATNAGTTTTACATCNAACCA
AGCTTAACANAGACTTAANAGATGACCTTATAAAGCTGTTACGGAACATGTTGCAGAAA
AGCACATTTACAGCCTAATGCCTTA

Sequence 3280

CCGGGCAGGTACTCGGNGGCTCTCTTNTGTNTTTGNGGCTNCGGAAAGGCGTNNGGGAT
GCCAACNATCAGGCTGCTGNNATTTGTNGTGNTGGCTCTATTNNCTGNCANTCAAGCAA
GGAAGGAGNCANGCTTTNGGCTTCCAAATCACTNNTGAACACATACGCCGTGGAGGGACA
TAGACCTGACCTTGACGTACCTNGGCNNN

Sequence 3281

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGTGTTTTGAAAGGGTCTGATAGGA
ATTGCAATGGTNTAGGTTAAGTAAGATAAAGTCACATTTACTGANTGGGCTCTTGGGGA
CAGCATACATCANAGCATATAGTCTTCTTGCTAACAANAATAATGTTATGAAAATTA
ACCATTTAGGGCTAGAGAAGGTCTTGAAATTGNATAGCCAAGCCTCTTCATTNTGTCAG
TGAGGGGATTGATTC

Sequence 3282

NCCGNCCANGCACTGTCTTTTACTGTNNNNNTNNTTNTGAAGTACCTCNAGGCCTGGCTT
GANATGAGGCTNTNATTGTNAAACCACTGANANNAATNCNCCTCANGNGANNANNNNNNN
TAGACACTTTANAGTCACACTNACCTTCTCCAGCACCCCTGNACCTGCCCGNTCGGCCGAT
NTANAAGTAGN

Sequence 3283

AGGTACCTGGCTACGTGCGGGCAACCCCAAGTATGTGCTCTGGGCATCCAACATCAGCTCC
CCCGGCTGTGAGAAAGTGCCAATAATACATCATGAACCCACGGCCACCTTGTGAAC
TCCTCGTGCCAGGGCTGATGTGCGTCTTCCAGGGCTACTCATCAAAGGCCTAATCCAA
CGTTCTGTCTTCAATCTGCAAATCTATGGGGTCTGGGGCTCTTCTGGACCCCTAAGTGG
GTACCTGCCCCG

Sequence 3284

AGGTACTCCCTACGGCACTAGTCTACAGGGGGAAGGACGCTCTGTGCTGGCAGCGGTGGC
TCACATGGCCTGTCTGCACTGTAACCACAGGCTGGGATGTAGCCAGGACTTGGTCTCCTT
GGAAGACAGGTCTGATGTTTGGCCAATCCAGTCCTTCAGACCCTGTCTGAACTGTATC
TTACGTGAACCTAAAGAATAAATGCATTTCTACCCCGATCTCGCCCCAGGACTGGCAC
GACAGGCCCACGGCAGATTAGATCTTTCCAGTACCAGGCCTGTAACGATGAGGTTTCT
TCACCCCTCCAGTAGAGGGCGCACTCTTGCGAGCGGCTTTGTAGCCAGTTGCTTCCTGG
GTGCTTTACCACCGGTGATTTGCGGGCAGTCTGCTTTGTACCTGCCCGGGCGGCCGAGG
TACCGCTTTGTAGGGGAAGGAGGAGTAAGGATGTTGNGANACCTGTGTCCANGTGACCCG
ATGCCANACANAGCTCCCATGTGGCTGAATGGGGCCACCCTGCCCTTGGGGATGGCAT
NACCAACCACACTGNCTGTGCCCATTG

Table 2

Sequence 3285

GANNAATGTANGAAGAATANAAAAAATGAATAAANGAACANANNANAANGGANNCANCA
NNNACAACAAAGCANAAAAAATCATGGAGGNGCACCAAGTANANAATGGNANGGANGAAA
GGG

Sequence 3286

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGGGCGGATCACAAGGTCAGGAGAT
GGAGACCATCCTGGCTAACGTGGTGAAACCCCATCTCTACTAAATACAAAAATTANCCG
GGTGTGACAGCATGTGCCTGTANTCCCAGCTACTCAGGATGCTGAGGCAGGAGAATGGTG
TGAACCCGGGAAGCAGAGCTTGCANTGAGCATAGATCGTGCCCTGCACTCCAGCCTGGG
CGAACAGAGCGAGACTATGCCTCAAAACAAAACAAAACACTANAGGGCANTTTTGCATG
CAAATTATGCTAAGGCATAATTTTAGTATTATCTTAGTATTTCTCAAAATGTAGTCATC
TATGGATTTACTGAACAAATTGCCATATCT

Sequence 3287

ANGTACTTGGTTTTAATCATATTAAGGAAAGAGGCACTAAANAGGATAAGAAAGATAG
TCTTGAATTGCCTACACCATCCTTCCCCTAATCCCTGGCACTGGCAGCATGGCGCAGGAG
AGAGAATTTATGTGCTTGTGGAAGGGAGAAAAAGAGTGATTGTGGGACNTANCACTGGA
ATTTANTGCTGCCCTGTCACAGCAGAAAGCAACACCAGGCAGAACTCAGCCAGCATCCAC
AGAGGGAGCATTTAGACCAGCACTAGTCAGAAGGGAAGCCTCCATCCCAGCGGTGAGAAC
CAGAGTTCTGGCAAGCCCCACCACCATGGGATAAGGTGCTCTGGGATCTGAAATAAACTG
AAGGGCAAGTTTTGGGCCATAAGGGCTCTAATTCCTGGGCAAGCTTCTGTGCTGTGCTGG
GCTTAAAGCCAGTGGACTTGGGGTGACGTGACCTANTGAGACACCANCTAGGGCAGCCA
CGGGAGTACCTGCCCGGGC

Sequence 3288

NCNNGNANNTGCGCANGGAGCTCTANTGACTACTAACATATCGCCCCAAAAAGAAANNGGC
CATACTNTGGAGGNCGGTGTGCTAGCGATTTTTCATNATACCTGTAGCTNATGGAGCNC
TCAGGACTTATGGGCTATCAAAGAATAACATGTTGATCNTCCAGGCCGAGTTCTATCTGA
ATCCTGACCAATCAGGCGAGTTTATGTTTGACTTTGATGGTGATGAGATTTCCATGTGG
ATATGGCAAAGAAGGAGACGGTCTGGCGGCTTGAAGAATTTGGACGATTTGCCAGCTTTG
AGGCTCAAGGTGCATTGGCCAACATAGCTGTGGACAAAGCCAACCTGGAAATCATGACAA
AGCGCTCCAACATACTCCGATCACCAATGTACCT

Sequence 3289

CCGGGCAGGTACGCGGGGACTCACTTGTGCCAGAGAGAGAATAAAGCCATGTGCGAACT
ATCTACGATTCCTTGAGTGTTTTCCAGCTACCTGCCACTTGCCCACTCCCTNAG
ATCTCAGTTAGAACATGACAATTGGGCTCATGAACAGGATCCTGAGTGGTTGCAGGTGAA
CAAGCAGTTGGCACAAGGGCAAAGTGATCACATCCTGATTGAGTGGCTATGGACAGCCAT
ACAGACTGTGTGGAACAACGCTGGTGAATACCCAAACCGTGAGTAAATACCAGTCTATG
TGGTTTGGTGCAAGTCATTCGGGAGACGGGTATGCGGCAGGCTATGTTTGACCTGA

Sequence 3290

ANGTACANGCTGNTNACCAGCTTGCTCAGAATNACGCCATTCTTCAGCCAGACNTGGAAG
CCANGCGCCACGGTCTGGGCGGTCNACATNANGGCCACACTGCACTATGATCCACTCC
ACCGGCNTCTAGANCTAT

Sequence 3291

AGGTACCTTGAGGCGAACAAAAAATTAATTTTAACCATGAGGGAAATCGTGACATCC
AGGCTGGTCAGTGTGGCAACCAGATCGGTGCCAAGTTCTGGGAGGTGATCAGTTGATGAA
CATGGCATCGACCCACCGGCACCTACCACGGGACAGCGACCTGCAGCTTGGACCGCAT
CTCTTGTGTACCTGCCCGGGCCGGCCGCTTTAGAACTAGTGGATNCCCCCGGNGCTGG
CAANGAATTCGATATCAAGCTTATCTGATACCGTTCANACCTTNNAGGGGGGGCCCCGGT
NCCCANCTTTTTGTTC

Sequence 3292

Table 2

CCGGGCAGGTACAGGAATTACCAGATCGTCTTCATCGTCTTCGGCGTTCTCATGACCATG
GCCTTGATCGTTGCCACTCAGTTCGGTTCCGCTACAACCATTTCAAAAACGATGATTCT
AAAGGGAAAGAGGTGGAGATCCCGCAGGTGGAAAGGAACAACCTCTACAGAGTCCTCTGAG
GAGACACCAACCACCACAAGCCACTCGCAGGCCTTCAACTTTTGGGACTTAATCAAGCTG
CTCTGCAGCGTGCAGTATGGCTCAGTGCTGTTTGTGGCTTGGTTCATGGGTTTTGGATAT
GGCTTCGTGTTACCTTTCTCTACTGGCATTGGAAGACCTCA

Sequence 3293

CCGGGCAGGTACGCGGAGATTGAAGTGCTGCGCCAGCGGGTGCTGAGAATTGAAGGCAAA
GACGAGGAAATTAAGAGAGCAGAGGATCTGTGTCGTCTGATGAAGGAGAACTTGAAGAG
GAAGAAAACCTCACCCGGGAGCTGAAATCTGAGATTGAGCGGCTTCAGAAACGAATGGCT
GAATTAGAGAAGCTAGAAGAGGCCTTCAGCAGGAGTAAGAATGACTGTACCT

Sequence 3294

CTACTATAGGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACACCAC
CCAACCTGGTTATTTTTTAAATTTCTATACAGACTGGGTCTCAGTATGTTGCCAGGCT
GGTCTGGAATCCTGGCTTCAAGTGATCCTCCACCTCAGCCTCTCAAATGCTGGGATTA
CAGGTGGGATCCACTGCACCTGTCTCTGCTCTCTTCTTTTAACTCTTATGTATGG
TTCTTTAGCAAATAGCCATAACTTTTCTTTGTAGCTTTGGTAGGGACAACGTTGTCTTTG
AGAGGACGTTTGCATCTATGACTACTGAAGTCTTGTATCTGCAACCAGTGCTTCTAGGAA
GCTGACGGTTATGCTGTAGCATTCTGGGCTACCCTGGAGAACAAGTTAGAAACAGTCATA
AACAAACGATCCATTTGCCAGTGAACACAGTGAGGTTTCAATATGTGGAAAGCATTGT
GCAGACACTGTTGCAAGAGAGAGTTGAATCAAGATAGTAATGTGTCTTCTCTACAAGT
GTACCTCGGNCGCTCTAAGAACTAAGTGATCCCCCNGGCTGNAAGGAATTCGATATCAA
AGCTTATCGATTCCCGTCGACCTCGANGGGGGGGCCCGGT

Sequence 3295

GAGTCCCCGCGGTGGCGGCCCGAGGTACCCAGGGAACAAATGCTACTGGGACTCCACAC
CTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCTCTGTTTTGGTCTGGAGACCC
CAGCTGGGGTATCTCCTGAGCCAGGGATTCAAAGGTTCTGGCGGAAATATGCATCCCA
CGGGACTCTCACTCACTACCATTTTCTGTAGGGGGATTCCCCTGGGTCTGTGCCACTC
CTGGGTGAATGGCTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACT
TGATGAATCCTTATGTGTCCACCTGGATGTTTGGGTTGAAGAGCTAGTGTCTCACCACCT
TTCTGCTATTTGTGAGAAGTGGCACACACTAGCTGCTTCTAGTCAACCATCTTGGCCCCA
CCTCACTCACTTTTCTCAAGTAATCAAAGACCANAAGGATGTCCTTTACAAGAGCAGAT
CCCCCAAAATGGAAGAGTTCACTGNAAGGGTGGGAGCTCAAACCAAAGAGAGGACTTA
TTTCGCAACATAAAGACCAACTGTACCTTGCCGGGC

Sequence 3296

GCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCTCAGGACGTGACTGT
ATTTGGAGACAGGGCCTTTAAAGAGATTAGGTTAAATGAGTCCATTAGGGTGAGCCTTA
TTGCTATCCAACCTTAGGTCCTTATTAGAAGAGAAAATTCGGACATACAAAGAGACATGAG
GGATGCAAGGGCATCCTAGAAAAGACCATGTGAGGACACAGAAGAAAGTAGCCATCTGTAA
TACAGGGAGAGAGACCTTAGGAGAAACCAAACCTTACTGATACCTTGATCTCAGAACTGTG
AAAATAAATTTCTGTTGTTTAAGCCACACAGGCTGTCTATTTTGTACGTTAGTCCTAG
AAAATCCAATAGATCCAGGAGACTCAATATCCACATAATGGGCATTTTAAGAGAATTGTA
ATAGAAAAAAAATGGAACAAAGAAAATAGTAACAGAAATAATGCAAGTAACCTTTTCTGG
ACCTGAACATGTATTTCCAGATGGAAATGACCCATTATGTCCTGAGAACCAATGGGCAA
AAACAGGTACCTCN

Sequence 3297

NCGCCCGGGCAGGTACCACTGTTTATTGCTTGGGACAGTTCAGCAATGACAGGGTTGCTA
TTTCTGTGAGCTGGTTTAGGGGGAGGGATAGGGGGCTGCTTGGCAGGGACC

Sequence 3298

Table 2

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGGATTTTAGTAGAGATGGGGTT
TCACCACGTTGGCCAACTGGTCTCAAACCTGACCTCAGATGATCCTCCTGCCCTGGC
CTCCTAAAGTGCTGGGATTACAGGTGTGAGCCAGCATGCCCGGCTCTTTATCÄCTTTTT
AATATGAGTGGACACTGTCCACTGACATCAATTCCCATTCTAGATCAGTGGCTCCATGG
ACTCTCTGCTGAAGTATTCAGGGAAAAGCAGTGAGCCTCTGGCAGAGGGCTTCTAGTTTC
TGCAGTCCTCGTGGACCTCACCTGTGTGACATTATGAGGGGGTGGCTACAGTGGGGAGC
CTTCTCGGAGAAGCTGCCCTGCTGTGTGTACCT

Sequence 3299

GGAGCTCCCCCGCGGTGGCGGCCGCGCCGGGCAGGTACGCGGGTAAGCAACTAAACCAACT
TTACAAATGTTAAATTCAATAAACTCAATATCTCTTTAAAGCAGGATTTCTTTCTCTCCC
TGGGCATCATTTGCTGATAGATAAAAACAGAGTAATAAATAAGTGGCTTCTGAAGGCAG
GTAAGGCAACCTCCATGCCAGACCAGTTCTCAATACAGTGACCAAAATCCCCCATTTT
CTTGCTTTTACTCTCTATAACTGTTAATTATAATAAACCATATGGAAATGTTTTCTTAA
ATGGAAAAAAAAAAAAAGTACCTCGGCCCGCTCTAGAAGTAGTG

Sequence 3300

GGAGCTCCCCCGCGGTGGCGGCCGAGGTACCAAGTTAAACCGTAAACATTTCAGCATCCAGA
GCTGGTCCAGCTCAGCAAGGTTCTTCCAATGCCAGCACACCTGTGCACAACGACAAAGGC
TCCGAGGGTCCAGGAAAGAAAAGATGTATAAGATAACACCCTTGAAGCTTGGTTGTAA
AGTCCAGGGCTTCTGCTGGAATTTCTCTTGAAGCTTTCGACAGCAGAACTTTGCTGGG
ACAGCGAGCAGCGCTCCAACAGGCCTGTGAGGATTCTTCTTCTTTGAGAGTCTGTCCATT
TGTCAAACCATTTGCCAAGCAGGGCTCTTCTTTCTTCAAATACCCGGTCATTCAATAGCT
GATGGTTTAGGGGTGTCCAGGTGCTCATCTTTGTCTGCATTTTGGGACCATCTGTGTTTT
TTGGAGGTGCAAATGCCATCATGAAACAACCTGGATATCCTTCCATAAGAAAAACAACACC
TCTTTTAGCTTGTCTCCCTCTCAAGCCTCAAGCGCTGACCGTTGCCACAAGTTTCATTA
GGTCAAGCTTTTTTCTTCCCCCGCGTACCAAGGAGGCCTTGGATGTCATCAGAGGGGAAA
ATTAGGGAGAGAAAAGTTGACAAGTGAGATTCAAAGTCNGGGAAAATAAAATGCATGGGTN
TATACCTTGNCCCGGGCNGGCCGCTCTTAGAACTAGGTGGATNCCCCGGGCTGGCAGGAA
ATTGCAATTTTCAAAGCTTATCGATACCCGCCNANCTCGANGGGGGGGGCCCGGT

Sequence 3301

CGCGGTGGCGGCCCGAGGTACTGGGAAAAAACCCCTGTCAACTAGGAATATTATACTCAG
CAAAGCTATCTCCTTCAGAAATAAAGGAGAAATAAAGTCCCAGACAAGCAAAACATAAGG
GAATTCATCTACTAACCTGATTTTATAAGAAATGCTCAAGGGAGCCTTGATCTGAAA
GTGAAAAGATAATAATGTGAACCCAAAATATCTGAGACAGGTCCGAGTCAATTTAGAAAG
TTTATTTTGCCAAAGGTTAAGGATGCACCCATGACACAGCCTCAGGTGGTCCCTGAGGCTTG
GACATGTGCCCAAGGTGGTTGGGGGAATAGCTTGCTTTTATGCATTTACAGGGAGACATGA
GACACTTCAGGACAACCTTGAAGTGGGGGCTTTGAGGTGAGAAGTTGATNAGAGACAAAAG
GGTGCAATCTTTTTAAGTCCTCGATCAGCTTTTCACTTGAATACACAATTTANTCTGGCTT
GGNNCATCTGCATTTGGTTCCNTNAAGGAATTAGACCGANGGAAACCAATCNGATNTTCTN
TTTTGTCTTAAGGCNACCCTCAGAAAGGTGACTTTGAANTCTNGTCTTTGGCCACAAAG
GAATTTTCTTTGGACAAAGGAAATTTCCAAGTNTTAAACNCTTAAACATCAAAAATTN
TTTTCAAATATNTATNTGGACNCCCGNGGGAATTAACCTTTGNCTTCATTTCCAGANGG
GACATTTTAACTNTGCAATNCCTNNGGNGTTANAAAAATCCTTTTNAATGGCCCCATTG
GGGGAAGGGATTAAATTTGGAANGGGGAT

Sequence 3302

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCGCCGGGCAGGTACTGGTGACTCACCATTG
TGCCAGCGGCCACTTTGCACTGGGCACCAGCACATACCAGCCCCATCAGGAAATGTGCA
CAGTCCATCTCATCTTGTTTCATCTTCATTTTATTAATGAGGAACTGAGAGTCCAAGAAG
GTTCAATCATTTGCTCAAGGACAAAGAAGTGATATCAACTCAAGATCTGAGCGACTCCA
AAGCCCAAGCTCTGTGCCCCCGATAACACTAAAGGGCTCTGGAACCTTCCCTCACTGTGC

Table 2

CAAATTCTGGTCACCACACTTTAGGAAAGGTACCTCG

Sequence 3303

CCGGGCAGGTACACCCTGTCCTCAAGATAAATCGGAAACAATCAACCCAAAAACATGTTC
TCCCAAAGAATATTTGGAACTTTTCATCTTTCTGCTTCCCGGAATGGCTAGCCT
GCTTCACCAAGCGAAGAAAGAAAAATGTTTGGAGAGGAAAGAACCAATTCATTGCCTG
TGATTTTCTGACTGAGTGGTTATACAACCAAAATCCAAAGAGGGCAGGGGAGCCATTAC
AGAATTTTCTCCATTCCATTGTGGAGGAGCGGCTAAAGCAACACCCA

Sequence 3304

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACACAAAGGGAAAAAAA
AAAAAAGCAGAATCAGAGCTGAGTTCCCTTTAAAGCCAAACGCCTACATCTAGAAGG
AGGCTCCCTACCTGAGAGCCCTAGCCCTATTGGGGTCCCACTGTGGAAACCTCAGGT
CTCAAGGTTAGTTACAGGGCAGCCAGGTAGGGTAAGGCTGGCTGTAGGTGACTGGAGGAT
GGGCAACGTAGTAGTTGCTGAAGTTGCCATCACTGACGTAAGGGGCCGGCTGGTANTAA
CAGGTGACGTTGGTGGCACTGGGGGATGATGTTT

Sequence 3305

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTAAAAAATACTTTT
TTAAAGGACTGTTTAACTACTCACAGGCTGCAAACTCTTGGAAGTGTTCACACTACAA
AAAAAGTGCTTGAGTTTGTTCAGGTATTATTATAAACTTTCTTCAGCCCTATCAAAGGT
AGGGTTTTTGCACTTTACANGCAGATGTCCTCCAGGCTTACTGCCTGTAGNTGTATC
AAGAGAGGACCTTTCTGGCTGTCCTNCTNACTACTTGCTCTCCATAAAGCCAGACTTCAC
TGTNCCTGTGGGGCATTCACTCTTACANCACTGCCTAGACAAGCTCANATTCTTCAA
GACAGAATCCCCAGTTTTTGCTTCAGAAGATCAGATTAAGTGGACATCTAAGGGCCC

Sequence 3306

CGCGGTGGCGGCCGCCCGGGCAGGTACTGCTGTTGTGTCTGTTAGGTCCAGCTGGTATGA
TGCTGTTCAAGTTCTGTCTTGCGACTGATCTTCTGTCTGGTTGTCTATCCGTTACTGAA
AGTGGGCTACTGCAGTCTCCTACTCTTACTGTAGAATATCCATTTCTTCCTTTGATTCT
GTCAATGTTTGTTCATATATTTTGGGCTCTGATGTTTGGTGCATATATATTACATCTTG
GTGAATTTTCAAACCTTTTAAATTTCAACATGAAGATGAAATTATAGGATGTCTGGGATT
TCCTTTGAATCCGTGGGGCTGGGAGTAAGTATAAATGAAACAAGATTGGCCCGGAATTTG
AGGCTGCAAGGATAGGTACCT

Sequence 3307

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTGTTTATTACTTTGCTAT
GCAGGAGAAACAAAACAGCTTTTTATTTGTGTGATACTCTGAAGTCAATGTGCATGGGT
TAAATCCCACCTCTGCTTCATTTATTTGTGTGGCTTTGGACAAGTTCCTAAGCCCTCTG
TGTCAGGCCCTCATTAACAAAATGGAGTTTATGATGGCATCTACCTCACATGGTTATTG
TGTGGTTGAAATTAGTTAAATCTGTAAAGTATGTTGATGAGTATCTGGTACAGCTATTG
GAATCAGATGCAAGATGGTGTGCTTTGGGGTAGAAAAATTAGTCCTTCTAACTTTA
TGAAAGAAGGGTCCAACAAAAGACTTTTT

Sequence 3308

CGCGGTGGCGGCCGCCCGGGCAGGTACTTTAATNNNTTNGNTTNGTTNCNGGAATT
CCTCACACAGTAACATCTAATGTGTTCTTTATTTTGAACAGCAGGAAAAGAGCCCTT
TCCTTCANAGGAAAATAAAAACCTTTATCTGTTGCTTAAGCCAACTCCAGGGAGGAAGGT
GTGGTCTCTNNGGAAAGTA

Sequence 3309

GCTACTGGGACTCCACACCTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCTCT
GTTTTGGTCTGGAGACCCAGCTGGGGTATCTACTGAGCCAGGGATTCAAAGGTTCTGTG
GCAGAAATATGCATCCCACGGGACTCTNCTCACTNACCATTTTCTGTANGGGGATTCCN
CTGGGTCTGTGCCACTCCTGGGNGAATGGCTGATCTGTCTCACTTTTCTCCGTGANCCGA
NGGTCACACTATGNCACNGATGAANCCTTATGTGTCCACCTGNATGTTCCGGGTGAAGAG

Table 2

CTAGNGTNGCACCNCTCTTTNTGCTATTTTTGTGAGAGTGGGCACACACTANCCTGCTTC
TAGNCAACCAANTTNGGNCCNACCTTGACTTNCCTTTTTCTTAAGTTANCAANGGACCAGA
AANGGGNTGGNCCCTTACAAGAAGCAGAATCCCCNAAAATTGTNAGGAGTTTACTTGGA
AAAGGGNGGGANGCTNNAACCNNGGAGAAGGANNTTATTGTNTNCAGCAATAAAGAACA
ACTTTGNACCCTNNGGNCCGTTCTAANAACTAGTNGGNCCCCCCCCGGCTTGGCACGGNA
ATTCNAATTTNAATCTTATNGATANCCGGCCGACCCNNGANGGGGGGGG

Sequence 3310

CGAGGTACAGTGGCCTCTACATGTGTGCACAGCAGCTCTGGTCTTAGTGTCTAGCTATTA
CTATTTGGTAGATCCATAGATGGGGGGGAAATAAGGAGTCAGGCCAGCAGGTTCAACTTC
TTATTTCTCAGTAGCTTCTATAATGATTCCACCTCTAATGAGGTGAATTACTACTGCAT
GAAAAAGGAGAAAAAGGGTTTTGGCCATCTTAGCTAATAAATCACATNGACTGCCTGGC
TGATCAGATCAATTGTGCATAAATCAGTGCTTTAAAGAGTCTTAAATAAGATTCTACCA
AGACCAGTCGATCCACAGGCTTGTGTACCGGCAGGTCCTCTTGCCCATGGNAACTGNCA
GGAGTTCACAGTTTTTGAGACAGTTNCATGTGGCCCAAATGTTGAAAATGAATGTTTCAC
ATCTCAGAGGCATGGCTCTGGTGTGGAAAAGTAAGTTAAGTTTGTGANTGNCAATGGGAA
GTTTTTTTCATNTCCTNCAGGTTACACTTGGTACCTTAANGGNNGCAAGGAAAAATT

Sequence 3311

CACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTCCCTTCAGAGCCTCTAAAGTAGAA
CCTTTCTTGCCTCTTCCCAGCTTCTGNGGGTGGCAGCAACCCTTGGTCTTCTGGCTTGA
AGCTATATCGCTCCAATCTCTGTTTCTGTCTCACGTGATGTTACCCTGTGNTTCTGTC
TNCTGTNTNGTAAGTGCAATAGTCATATTGGACCCACCATCCTCCAGTATGACCTCATCT
TAATTNAAGCTAATTNCCNCAGCAAAGNCCCTATTTCTGAATTACAGCAAANNATGAGAT
ACTTGAATTGGA

Sequence 3312

CGAGGTACCAGGCTAGCCTTCTGATGACTGCAGCAGCAAGGCTGCCCATGGGGCCACCCC
AGACAGCCTGCTTAGAATCTTCTAGAAGAGCTGCTTGATGTAAGACATTAAGACATTCTT
AAACGAAGCCAGTCTTTAAGGNCTAGAATAAATCCTTAATTCTTTCAATACATAGACATT
AACGTAAAAGCAACAAGAAACAAGGAAAGTCAAATAGACATAGCACTCCCCAAAGCATAT
AATAATCTCTAAGGTGATCCAAAGATACCAAAGTGGCTGACAAATAATTTCAAATAGCT
CATTAAAAATGCTCACTTAACCTCCATAGGATACAGGGGAAACAATTCAATGGAATCAG
GGAAACAATTAATTACCAAAAAGAGGATATTTTCCAAANTACCAAAATTACCAAAATTACC
AAAANTTACCAAAAGGAGATATTTNACCAGACAGATTGGAAATTTTAAACCAAAACCAAC
CACCNCCAACAACCAACCNANATTCAACNGGAATTTTCTNNGGGCAGAAAAATTAGGAG
NGGAACCGAAATAAAAAANCCNCCAGAGAAATNNTCAGTTAACNGGAATGGATCAAGTTG
GAAAAAAGGATTTTTTCNTTGAANTTGAAGACAAGGTTATTTGGAATTTTCCCGGCCG
GAAGGGGAAAAAATTAACCAANTAAAAAGGGGNTAAGGAAATTTNTT

Sequence 3313

CGACTACTATAGGGGCGAATTGNAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACC
AGCACTGTGGAAAGGCTTAGGTGCAAGGAATTGTGGCCTCCCGCCAATGGCCAGTGAGGA
ACTGAGATCTCCAGCCAATAGCCTTGTGACTAANCCATCTTACAGGAGAATCATTACAGGC
CCATGCAACCTTTAGGTGACTGCAGCCCCACCCACTGTCCTAACTGCTACCTCATGAGAA
ACCCTGAGCTAGAACCAGCCAATAAATTAGAATTTCTAATTTGTAGGAATAATGAGAAA
ATAAATGTTTGCTCTTTTTAAAGCCACTACATTTTTTTGATGTAGCAATACATAAGTAA
TACAACCACCTCTCCCATTTTCATTTACAGCTCAATCCAATTAGATATTTCAATTTTCAT
GTCAATAAAATTATTATATATAAATTACATATATTATATATATNCACACACCAAACA
CAAATNTNTATAAAATTGNTTAAATACCTGGTAAGCACATAGAACAGTATCTGGCCCTGA
GANGNGCTTCGTTATTTAAATTAATTAATTAATTAACAAGCAGCAGGANGGAATA
TATGGAGCCACTGGAGGACTGGCCATCTTGGTAAACCCANGAAGNTAAATGGCCGGTCC
TGGNTTCTTTACCTTTACAAGTACCTTGGGCGNTT

Table 2

Sequence 3314

AGGTACTTCCCCTGCTTGGGGCCATCTGTGCTAGGACATGATGATTTTTCTATGAAAGCA
GCTGTTCTCACCATCACAACCAGCCTTGAACCTGGTGGCACAACCTGGATCCTAAATAGT
GGCTCTGGAGCAACTGGGAATAGGGCCCCGGGGACCACCCACCCAGGTGGCAGCGCTGGG
CTGCACCAAGGGGGAGTCAGGCCAGAAAAAAGCTTTGCCCTGCTCCCTGCTGCTTTTTG
CCAGCCCAGCCAGAAGCCCTGCAGAAAACCTGTGCTGACCGGCCCGACATGTGGCAAGGT
ACCTGCCCCG

Sequence 3315

AGGGCGANTTGGAGCTCCCCGCGGTGGCGGCCCGACGTACCGTGAGGCACCATACTGCTG
ACAGTANTACACTGNNGNATNNTNANGCTCCANNCTGCTGATGGNGAGANTGAANTCTGT
NCCATACCCACTGNCACTGAACCTGTCTGGGATGCCANTGGCCCTGCTAGATACATCATA
AGATGAGGAGCCTGGGCGCCANGCCACGTTTGTGCTGGTACCTGCCCA

Sequence 3316

TGGAGCTCCCCGCGGTGGCGGCCCGCCCCGGGCANGNNACACACGTTAAGCATCCCAAG
CAGCTTATGAGTGGGTCTGCTGATANAGTCTGCAAAGTGGTTAGTAGGATACACAGCCCT
TTCTTGAGTTTCAAGCCCTGACTGTGAGTCCCTCCTGT

Sequence 3317

CCCGCGGTGGGCGGCCCGGCCCGGTGCCCGGCTCCTTTCTCCTTTTCGGCCTTCGCCG
TCCACCAAGTCCCTCTCTTTTGTCCCCGGCNCGCTCTAAGAACTA

Sequence 3318

NCGCCCGGGCAGGTACAGCCTGCAGAACTGGCCCTTGTCTCTGTCTACATCAGACC
TGCTCTGCTCCCATCCAAGCCGATCACCTTCTGAGAGGACCTGGCCCCCGAGCTCAGGAGC
ACCCAGCTCTCAGGACACAGCCCTCGTGGTGGGACAGCGCCTGCACCTGCAGCCCTGT
AGCCCTGCACAAGGAATTTGTTGAGGGAATTTGATTTTCTGCTGCTTTCTCCTTGAAC
CTATTTGCATTTTAAATAATTAACATTAAAGCTGAAAAATTTNTTNNAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA

Sequence 3319

GCNAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCCGGCCAGGNCCTACCNATNNNNATTN
TTNNCANNNTGGNCGACNACATGAANTGCTATCCAACNTANNCNTGNAAGACAANCTNC
NTAGTGGCCATACACAACTNGAATNNNNGGGTNNNNCNNTCNCTNNNTTAATGCCCAT
AACTCACNNNAGNNACTTCTGCATNGANGNCNACTNTGAATNCCGCTCTATGAACTAGG
AGCATCTCNCCGGNCTGTGGGNAATTNGAATATCAAGCTTATCTATACAGTCCCAACCTC
TAGGGGGGGACCGGTACCCAACNGGAGATCCCTNATTGAGGGTTAATAGNNCGCTNGNCG
NANTCATGNTCATANCNGTNANCTTGNTGCATAAGGTAAGCCACAGTCACAAGTGACTGA
GCGGCTAATGCCACCCGAGCAATGTACNCNGGTAACCTCCANCAGGCATTTCAATTAATA
CTGANCTTANTTCTGCTGGGTAAAGGCATTCCGAGGTAACCAGGGCCCTCTTGGGCCCCC
CTTAAAAACCAACTCTTTCAAGGGTGAGTACCTCGGNCCGCTCTTAA

Sequence 3320

ANCTCCACCGCGGTGGCGGCCCGCCCCGGGCAGGTAATCTTCTAGCCATCTGAAATACGTTT
TCTAGGGAAATGTTTCAACGTGCGCAAGCGTTGCGGCGGCGGGCAGAGGACTACTACAGA
TGCAAAATCACCCCTTCTGCAAGAAAGCCTTTTGCAACCCGGTGCACCTACAATTTGGTA
TTACCTGGGAGTGAAAAGA

Sequence 3321

CGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATCTTTTACAAATAAACTTTACAG
TAAATCCTATCACACCTATAGAATATATACCGTGGCAATGAAGTGATCAATTCAAGATAT
CCTGAGAAAAACAGATTGTTTTCAAAAGTCACACATACATCGGGGAACTATACTATGCC
AACAAATTCACATATGTCCAACAATAGTCTGTTCCAATTGTTAGAGTCTGTGGGCTGACA
GTGCTGTGTGGATCCTTCTCTTTACAGTGGCACAAGATGTGGTCTGGACCCGCGTACAC
CATAGTCCCTGCAGAGATTGAATCCCAGGTGGAAGAATGCAGAAAAGCTTTAGAAGACAT

Table 2

AGATGAGAAGATTAGCAATGAAGTCTTAAAAAGCTCACCATCATATGCAAAAAAAAAAAAA
AAAAA

Sequence 3322

CGAGGTACTTTGAGTTCTCACGTGCGTCTTAAGGCATGAGTGTTCACTGAAGACTTCTCC
ACATTGCTCACAGTCACAGAGTTCCCTTCCATTGTGTTTTCTTCCAATTGTATCCCAAT
GGATGTCGGACCCCTCAAAAAGTCCTGCTGAAGTATAGACCACTGGGTTTCAAGTCGCAT
TTCCCATCCTTGAGAACTCCTCCCTGAAGTGTCTTGACTCTTCTTGTTCCAACCAAGA
GATTAGACTGGGTTTGATGATCTGACCTCCTACTGTGGCCAGGTTCTTGATTTCTCCAG
CATCACGTCACTGTAGAGGCTTCTCTGAGTTGAGTCCAGTAAAGTCCACTCCTCCTGGGT
GAAGTCCACAGCCACATCGTCAAAGGTCACTGAATCCATGGGACAAATCAGCAGCTGCCA
TCCCGCGAGGTGAGAACGTGTGAGAACCTCCTTTTATTGATGTCACCATCACTTCAGGA
CACCTCATTAATCTAAATGGACAGTGGCAATCTCCATTCTCTTTAAACANGGTTATTGG
GATTCCGGAACACTCAGAAATCGCCAGGTCCCTGAACCGGGAAA

Sequence 3323

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAACCTTGTCTATAANGGNNGTGGGAC
ATTTACATTCTTTTGGNCTACAGNTCTGAGACTATCTTTTATGCATGTNTGTATTTATT
AGTAAACATTTATCCTCTGCTGCACGTGANGCACTNNCCAGACCCGATNGGAGANAACCC
ANGGTG

Sequence 3324

GGCNAATTGGAGCTCCACCCGCGGTGGCGGCCGACCTCTGGGGCCAGACCACTGGTCTC
CAGAGAGGCGCGGGGACCTCCACCAGGGATCGGAGTGGTACCT

Sequence 3325

CGGNCGANGTACCAGGCTGTAGATTTGATAAGCTAGATGCAGTAGACCGAAACCATCCAA
AACCTGTTTAGCTTCTTCTCCATTGGAGTTTATTGGGACAAACAGGAGAGCCAGCCATT
GTCTCCAGTACGCGGGTTTCAATTTAAATGTTGCTAACCTTCTTTCCCACTGGCTCTGT
ATAAAAACTTCTGGACAAAAGCCATCATTGGAAGATTTAAAGAACTCAGTCCTCGGT
TGGGGAAGAGTTTGCAAGAAGTTCTAGATGATGCTGCTGATGACATTGGAGATGCGCTCT
GCATACGCTTTTCTATACACTGGGACCAAAATGATGTTGACTTAATTCCAATGGGATCT
CCATACCTGTGGACCAACCAACAGAGAGACTATGTTTCTAAGTATATTGATTACAT

Sequence 3326

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGGCTTCCGGAAGCT
CATCTCAAAATGCTGAACTGCTCTTTGGAAGTCGCCGGTCTGTTGTAGTTGGAGTCTGT
TCACGGGCCTGAGCTTCGAGGCCAGGCTCCTGGGTGTCGTTAATGTTCCGGGGCCCGGG
CGCCAACCGATCGGAGCTCCAGCAGCCAGGAACAGCTGGCATTTCAGTAGAACCATGGAG
GAGCTGGTTCATGACCTTGTCTCAGCATTGGAAGAGAGCTCAGAGCAAGCTCGAGGTGGA
TTTGCTGAAACAGGAGACCATCTCGAAGTATATCTTGCCCTCTGAAACGCCAGGCAAGG
AAAAGGAGAGGGAGAAAACGGAGGTCTGATATAATGTGCATCACCCGTGGGAGACTGGTCAC
TGCTTAAGTGAAGGCTCTGATTCTAGTT

Sequence 3327

CTAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGATGCATTACTGT
ATTCCTCCATGTATGGCAGTTGCTCAGAAAATGCTTGAGGAAGGAAAGAAAGAAAGG
AAGGAAGAATAAAGGAAATAAGGTCTGCTGGTGTGCTGGACGTCCGCTCCAGACCTG
TTTGCCTGGGTATCAGCAGCAGAGGCTGCAGCACAGCAAAAATTGCTGCCTGTCCCTTCC
TCTGGAAGCTTCATCCCAGAGGGGCACCCACCAGATGCCAGCCAAAGCTCTCCGGTATGA
GGTGTCTGTGACCCCTGCTGGGAGGTATCTCTCAGCCAGGAGGCACAGGGGTCAGGGAC
CCACTTGAGGAGGCAGTCTGGCACTTAACAGAGCTCAGAGATCTGCTGCTCTCTCGGAC
AGAAACGTTAAGTCAACTGAAGCTGCCCCACAGCCACTCCTTTCCCANACAATG

Sequence 3328

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGAAAACAACAAAAATAA

Table 2

AACTTGGTGGATAAATTATTTGTATATAACATTAAAAGAAGTAGAAGATTTTCAGTTATA
ATTACAATTAAAGTATACTTTTATCTTGAAAAAATTACTGATTTTAAATTAGTGAATAA
TGATGTAATTAACTCTCAAATAACTTTATGCTCTTTTTTCATTCTGCTATATTCACAT
GTGAAAGCATGTGACCAATTGTTGCTGCACCAAAGATATGAGAGATTCTTTATTAGGTG
GGCATTATTTAAACATTTTTATGGAACAGTAAGGATATTAAAGTGTAAGATGCAGCCA
GGCATGGTGGCTCATGCCTATAATCCCAGCACTTTGGGAGGCTGAGGCCGGTGGATCACC
TGAGGTCAGGAGTTTGAGACCAGCCTGACCAACATGGTGAAACCCCTGTCTTTACTAAAAA
TACAAAAATTTACC

Sequence 3329

NAATTGGAGCCTCCACACGCGGTGGCCGGCCGCCGGGCAGGTACAACTCCTCCATTTC
CTTAGGTAGGGGTTTGACAGGTTTGACAGTGGGAATCCTCCAACAAAATCAACTNTTTGGT
NAGGAATGGATGANNGANAATTGAGAACTCCATCGNAGTTTCTGAAATAAGTCCANTAT
TGTCAGCNTTTTCCCATTGTCTNAAAATTAACGGGTAAAGTGCGGTCTTTCTAAAA
A

Sequence 3330

ATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACCCAAACCGCAGGTGAACACCGC
AGTCTGTTTCTGGTCTGATAGTCACAAATGTATTTGTAACCTCTCTCCCAAGCTGGGCC
AATTGCCCTTGGCTTTCAGCTCACCCAAACCTTTAGTCCTACAGGGCCTTGGTCTCTCT
CCAAATAAGAGGACGGAATTGTCTTAACCTTCATGCTACACCTGGTAGGATATAAGGAG
ACACACAGGAGCATCCTAGTTTCTATCCATTGCATGGTAACAGCCCCATTTACCCTTGGC
AACCAGGACTAATCCAGCCAACCTCTGTGGCCCCATCTGTTCCTGTTAACCTAGTGGG
ATGAGGAGCCAGCTATTATCAGGTGACACTCCTCACTCCAATGGCCTTTCTGGAAGCAC
TCCTTTCCCTTGAGAAGGCAACAGAACACAATGGTTAAGAATCAGGCTTTCAGTCGTA
CCT

Sequence 3331

AATTGGAGCTCCACCCGCGGTGGCGGCCGCCGGGCAGGTACTACTCGATTGTCAACGT
CAAGGAGTCGCAGGTGCCTGGTTCTAGGAATAATGGGGGAAGTATGTAGGAGTTGAAGA
TTAGTCCGCCGTAGTTGGTGTACCT

Sequence 3332

NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACATGCCTGTAATCCCAGCTACTTG
GAAGCTGAGGCAGGAGAATCTCTTGAACCTGGAAGGCGGAGGTTGCAGTGAACCAAAATC
ACGCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCTTAGTTTTAAAAAAAAAAATCAA
ATATTGTGTGATTCTGTTTATAGGAAATATTCANAATTGGTAAGTCCATAAGGACAAAAA
CCANATTGACAGGGGCTGANATGAAAAANANAATTGGGGTATGGGGAGTGACAGCTTGAT
AGGTATGGGTTTTGTTGGGGGAGATAATGAAACATTTGGAAGTGGGAGATCACCTGA
CATCAGGAGTTCAAGACCACTGAACTCGAACCTGGGTGACAGAGTGAGACTCCGTCTCAN
AAAAAAGAAAATGTTTGAACTAGATGGTGGTGGTTGTACCTGCCCCG

Sequence 3333

CCGGGCAGGTACGCGGGGATACCGTTCTTCTGGTAGTGAACAAGTCTCACAAGAGCTGAT
GGTTTTATGAAGGGTTTCTACATTTGCATCTTCCTNATTTTNTNTTGCCGNCGCCACATA
AGAAGTGCCCTTTCACCTNTCATCATGATTCTGTGGCCTCCCCAGCCA

Sequence 3334

CGAGGTACCACATGCCTGTAATCCCAGCTACTTGGAAGCTGAGGCAGGAGAATCTCTTGA
ACTTGAAGGCGGAGGTTGCAGTGAACCAAAATCACGCCACAGCACTCCAGCCTGGGAGA
CAGAGCAAGGCTTAGTTTTAAAAAAAAAAATCAAATATTGTGTGATTCTGTTTATAGGAA
ATATTCANAATTGGTAAGTCCATAAGGACAAAAACCANATTGACAGGGGCTGANATGAAA
AANANAATTGGGGTATGGGGAGTGACAGCTTGATAGGTATGGGTTTTGTTGGGGGGAGAT
AATGAAACATTTGGAAGTGGGAGATCACCTGACATCAGGAGTTCAAGACCACTGAACT
CGAACCTGGGTGACAGAGTGAGACTCCGTCTCAAAAAAAAAAGAAAATGTTTGAACTANA

Table 2

TGGTGGTGGTTGTACCTGCCCCG

Sequence 3335

CCGCGGTGGCGGCCGAGGTACGCGGGTCTCCATATATCTTGAAGTTTTTTTGACTTGATT
CTGCACACTTAAAAGGTGTGTTCTTTATTCATACTGATGATTAAATGCAACCAAAATACA
GGTAGTTTCTATGAATTAGGAGTTCATAGCATCTTCTAAAGCACAGAATTCTGAATAGAA
CTCATCCAGGTGAGAAGCAGAACATTCTAAAGCAGCTTTCAGTTTCTTTAACTGGAGTC
TCCAACCTCAATTCAAGATTATTCTTCCTCATGCCAGTCTCCAGGAGCAGCCTGGCCCCAG
GCTTCAAGAGTAATACCTCAAGTCTACTTTCAAAGATTCCCAAAGACTGTTTTTCCCT
CACTTGTTTTGATTGGATCTCATTTCAAAGAGGGCCTTTNTAAGACTGCTGATGTTTTT
TTATGGTAATCTG

Sequence 3336

GGCGAATTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACCTGATGGATGTTT
GATAATGTCAATTCCAGTAGGTTGCTTAAGAGTGATTTAAATTTATTTACTTGGGCCAGG
CACGGTGGCTCATGCCGTGAATCCCGGCACCTTTGGGAGGTGAAGGCAGGCAGATCACCTG
AGGTCAGGAGTTTGAACCCAGCTTGGCCAACAGTGAGAAACCCAGTCTCTACTAAAAATA
CAAAATAGCTGGGTGGTATGGCAGGCTCCCGTAGTCCCAGCTACTCAGGAGGCTGAGG
CAGGAGAATCACTTGAACCCAGGAGGCAGAGGTTGCAGTGTGCTGAGACCATGCCATTGC
ACTCCAGCCTGGGTAACAGAGCGAAACTCTGTCCCTCCCAAAGAANAAGAAAAA
ANNNGNCCCCNNNCCNTTAAAAANNNNGNCCCCCNGNNGGNNNAANTTTTNNNN
AANNTTTTNNAAACCCCCCCC

Sequence 3337

GCCGAGGTACCTANAAACAGAGGTCAGCGGGCCAGAGTTTAAGAGAAAAAGAGAGGGGAA
AAAAGAGCAGGAAATCCTTGAAAGGAGCTATAATAAGGACAGAGAATATAAGGATAAA
AATGGATTCCAAGGAGGAAAAAGAAATGGGAGGAATGTTTATTGACCATCTGCTGTTGCCA
GGCACTAGCCTAGGGCTTTTCCATATGTTATCTAATCTTAGAACCCAGTTAGATGAACAA
CCACTATCAATATTTCCATTTTACAGATGGGGAACTGGGTTTCAGGGGGATAAAGTGAC
TTCCCCAAGGTCACAGAAAGCAGCAGTTTGAGCTGAGGCCTGTGTGACCCCCAGCCAACA
AGTCATCCATCGTCTTGAGGGCTAGTCCCTCATTC

Sequence 3338

CGAGGTACCCTCCAAGCCGAGTCCTTCTTCAACCCGCAACTGAAAGGGCTTCAGTGGGAT
TTTCTATACTCTGCTTTTCTGGCCTGAGAAGTCCATTGCTACCAGGGAATTCTCTGATA
TACTTNTCTTAAGCAATCTAATCGCGGTCACCCAGCACGTCTACTCTGCTCTTCTCTG
CACAGAGCATTTTCCCCCGCGTACCTGCCCCG

Sequence 3339

CGCCCGGGCAGGTACANNTGAAGCTCTGACCTNACGAGCTCTTCTGTAGGTGAAGAATGG
NNNAACTATGGNTCCTGTNTGCCCTGGGNCCCCCACTCCTAGAACTCATNNANCCCCCTA
CCAAACTTATAGTACCTCGA

Sequence 3340

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACACACACGCACACACACAC
ACACACACACAAACGTGTGTATGCACCTACCTTCATACTTGCCTAAACTNTGTGCAATAAC
AGTCTGGATTTTCTATTATATTCTCTAGTTNTGTTNTGTTTTTAAGCTGGNTATAATCC
ACTAAAGTGATTCCNNGACACACTAGTTGATTGTGACCTTCAGTTNGAAAAATTCTATTAC
AGAATCAAGAGACCAGGGTGTGAATANATTTAATCTTAGAATTCTGTTANATAAATNA
GTGCANATGCAACATTATTTTAAAGATCTATGGNTGANTGGTTTACTTTATTCTAAAT
TCCATAANGATAGACCAACAAAATTCAATTTTATAGACNNGGCAAAATCTACTGGGCTTA
GCCAAAGGTNNCAGTGNTATAGATACAGACCAACACAACAC

Sequence 3341

AGGTACGCGGGAGATTATGAAAATCGCGAGTCAACACCCAACTGGCAAAATTACTGAAA
CTACTACTTTGGGCTCAGAACGAGCTGGACCAGAAGAAAGTAAATATCCCAAATGACA

Table 2

GACCTCAGCAAGGGTGTGATTGAGGAGCCCAAGTAGCGCCTGCGCTTGCGTGGTGGATCC
AACACCAGCCCTGCGTCGTGGGACTTGCCTCAGATCAGCCTGCGCAGTGAAGATCTTAC
TGCAGTAGAGAACTCTTTTCTCCCTGTACGCGGGACCTGGACGAAGGCTGTCCTACA
CGANCATCTTCTATCCGGTTGAAGTTTTGAGAGTTCGCTTTCANATCCTGGGCCCGGAA
AGCAAGATGACAGCGGCCANGATGTCCCCCTGAGGGTCCCTGGAGTGGTTCCTGTTTTTG
ATGCCCACAACTTTCTGTTGGAAGCGACTATNATATCCAGTTAGAANAAAAAAGTGGTA
GTAAGTTGGAAGTTGATTACCCACCAGCNCNTGNTCNCANCCGACATGGATAATC

Sequence 3342

AGATTGGAGCTCCACCGCGGTGGCGCGCCCGAGGTACACGGCTCACTNNCTTGAACGACT
GCTCACCCCTGCCTTGCCCCAAANNAGGGGGCCCTANANANCNAGCACTTNGCCTTANAC
AANGACTGTNGNNCAANGTATTNTATNANNACATNANNACATTNTNTCTCTCTN'NT
CTNAGANGCTNACCCACNNCTNANTAANATTGTCNCNCAACTGNGTGACTCNNTGNTNNG
CACTNACCNGCCTACCCACNCCNCCNGTGCANNNANTGANTCNATANANAGNNNTANNGN
CANNTNGNNGNCNTNNANAANTNANCAAGCNTANAGAANNATTNCNNNNNNNCACCGGCCN
CNTNGNTNGNNATATACNTAAAAANTCCATTACNNNNNGAGAGCTNCCATTGGTTCTCTG
GANGGANAAAGGANNTCAAGGGNNCNNNANCTNNAANCCTCNGCATANTNATCAAGNCC
AAANTGNGCTCTGGNNCACCTCTNGNATTNTCTTGGACNAAAGACCCCAAATTCCCTTTT
CTTCTATTGTGCTAATGCAATTACCTCATAACTTGNGAATTTCCAGGCATTGTCTGGGG
GTNTCCCTCTCAATGATATGTTTGAATGTGGATGTGGAANGAGAACTGGCNAATG
CCAGGAACTGG

Sequence 3343

CGCGGTGGCGGCCGCCGGGCAGGTACAATTTACGTCTTAAGGGGGGCTACTCTAATTAT
CCCATTCAAATGGAATTTTTTCAAATTGGATANAAGGAATTGAAGANTTGTAAANTGT
GATTAGNCTGCTAATCAGNTCTTCANATGANATATTGAATGGTAACACTCTGAGCTT

Sequence 3344

AATTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACCAGCAGAAACCTGGCCT
GGCGCCCAGGCTCCTCATCTATGATGCATCTAGCAGGGCCACTGGCATCCCAGAC

Sequence 3345

[illegible]

Sequence 3346

CTCTGACTTGGATATTGCTGCTGGTTATTC AAGGCCCAAGGGATCTTTAGTCAGCAGGTG
ACGTATTCCGCAAGGACTGGGTCTTTCTT CATGGCANCANGTTCCCTTCTGGCCCAGG
GTGTCTCTAAAAATGGTTTCTGGGAGCTAGGAATCCCCACTCATCAAAGAGGACTTCAAT
GCAAGACAAAGTCCCTCTTTACTCTTCTCCCTCCTCTCCCCAAGAGGAAGGAAGGGTCTCT
TTTGAATCAGGAGCTGCATTCCCTGGGGTTGGGGAAAGGGTAG

Sequence 3347

CGCCCCGGGCAGGTACGCGGGGACCTCAGAGCTGAGCTGGGCATGAGTAGATGCTCAGTAA
GTGGTGACAGGGTTGGTCCCTATGGTGGAGGCCCCCTAACACCGCCCAACCCCCCTCCA
TGTTCTCAGAGCTCCACGCCTCAGGACGCGGGCATGAAGGCCATGATGTCAGAATTCTGCA
CCCAGGGAGCTGAGATGTGCCGCAGGGCCCTGTGGCGGCACATGGCTACTCAAAGCTGAGTG
GCCTGCCATCACTGGTACCAAATTTGCGGCCCTCCTGTACCT

Table 2

Sequence 3348

AGGTACGATCTACTGGAATTCTAATGGGCCAACAGCTGACTCATCACTGCCTACAACT
CAGTCTCTGGCCAGCAGCCACAGCTTGCTCTGACCAGAGTGCCTAGCGTCTCTCAGCCTG
GAGTCCGCCTGCCCTGCCCTGGGCAGCCTTTGGCCAATGGACCCTTTTCTGCAGGCCATGT
TCCCTGTAGCACATCAAGAACGCTGGGAAGTACCTGCCCG

Sequence 3349

GCGAAGGCAGGTAAAAATCAAGGTGACCCCAAGAAAATGGCTCCTCTCCAAAGGAGGTAG
AAGAAGATAGTGAAGATGAGGAAATGTCAGAAGATGAAGAAGATGATAGCAGTGGAGAAG
AGGTCGTACATACCTCAGAAGAAAGGCAAGAAGGCTTGCTTGCAACCTCAGCAAAGAAGGT
GGTCGTTTCCCAACAAAAAAGGTTGCAGTTGCCACCACCAAGAAAGCAGCTGTCACTCC
AGGCAAAAAGGCATCACCAACACCTGCCAAGAAGACAGTTACACCAGCCAAAGCAGTTCC
ACACCTGGCAAGAAGGGAGCCACACCANGCAAAGCATTGGTAGCAACTTCTGGTAAGAAA
GGTGCTGCCATCCCANCCANGGGGCAAAAAATGGCNCAATCCCAANGAAGACAGTGA
TTAAAAAGANGATTATTACNGTTAGGANGATTANGANGATTACCANGACCAAGATTATGA
TNAANATGAAANTNNCCNCCCGCCGATTAAAACCACTTCTTGCCCTTGCCCTCNNAGG
ATTAAGACCATTAGGATTACCAAAATTTTANGGTTACNATTACCCATTAAGGAAAATTA
CTTTTNTNNAAAAACTTTTNGGACTTCCCCCCCCCAAGGGAAAAAAAACCTTCCAAANT
TTTTCTNTGNAAACCCAAACCTGGCTTGGGGTTGAAANTTAAAAAAGGTTTTTTNGG
CCCCG

Sequence 3350

CCGCGGTGGCGGCCCGCCGGGCAGGCGAGGGAGAGACGTAGACGACATAGGGCTGTTTCT
GAAGGGAGCAGAAAGTGGTTCCTGCATAAGAACACTTAGGAGGACAAGCAGCTGGAGACC
GTGGGCCCCAAGGTAAAGACATGTAGTCTCTGCCAACTTACCCTCCATGAGGCTTACT
GCCTGCGGTTCTGCTGCTGTGTCGGAGTGTGAGGAGCCTGTCCCCAAGGAAACCACGG
AGGAGCACTGCAAGCTTGAGCACCAGCAGGTTGGGTGTACCT

Sequence 3351

CCGGGCAGGTACTGTGGCTGATTTGGCACTCAAACCTACAATATAAAGTCATTCTACTCT
TCTCTCCCCTTTCTACAGGCAGAGAAGCCTCTCCCTGTATCCACCACCACCACTGATCCA
TAGGGAGTTCTGCCAGGCCACCACTGATATTCCCTAAAGCCCAAGTGCTCTTCAGCCAG
CTTTTGGTAAACGTTGTCAGTCCGGGGACTCACCTTCAGAACAGTGGGCTCCCCTTTGG
TCCAAGGCAGGTTTATAATGCTGTCCAAGAGCCTAAGCCTGGACTTGGGGACCCTAAAA
GCCTGTTTGTGCTCTACCCCACTCTGGACAAGCTGGTACCT

Sequence 3352

CGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGCCAGGCGGAAGCCCGGCTCCGGGGCCAG
CATCCGAGAGCCCGGACTGGAGAGTCAACTTTTATAACACTGTTACTGGGAATACTTGAC
TTACTAAGCTTTTACTGAACACTTAATTTTGGGAGTACCT

Sequence 3353

GGCTGAGCTCATCCCGGACGCTCCTGGCTGTGCTGGGTCCGCTACGGCAGCTCCATGGGG
ACCACAACAACAGCCCCCGGTACCT

Sequence 3354

AGGTACCTGGGCATGTCCTGTGATGGCCCCCTTCAAACCTGGATGACTACCACTACTGAGAA
CCAGGCCTGCCCTTACCTACCAGCTGCTGTCTTGCCCTGGCCCTGCCTCCCCCTAAGAG
CAAATGACACCAACTTTGTGATTGTTTTAGTGTCCCCATTGACTCCCTGGGGCTGGTC
ACTTAGGTTTTGGCCTCTACTGCATCCCTCATACTGTTGCAAGTGTGGCAGGGGGAATTG
AAAAGCCCCCCCCCTCAAGCTCTGGNCATGATGAAGGTACCTGCCCGGACCTGCCCCG

Sequence 3355

TCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGA
GAGACCAATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAG
AGAATTCTACTGGTCACAGACAAGACTCTCTGNATCTGCAAATACCGACCTTCATCAAT

Table 2

GCCTGAAGGNTGTGTTGCAAGCTTGCAAGCGGGATTCCCTCATGCAGCCGCNTGNTGNT
ATTCGCATNCTGGCNCTGGGGGCAANGNTTTCACCCTTTCTCCTTGGGGGATGGTNCC
CTGGGGACCAANGGAAGGACAAANGGGAGNANAGGGCCTTNTAAGGGANTCTTACCTTGG
GGNGGGAAGGTCNCNNGTAAGGGAAGCCANGCTGCTNCCTTTTNTGGNCCCCCGGCTNNG
NGNAACCCCCAATGGGGTNCCCACCTTGNAANGNTTTCCTTTAATNGGCNTAANCTT
TTTTACCTTGGAGNNCATTCCCTTAATNGAAAAATNAACCAACTNAGGTTGGAAGCAA
AAACTTTCCCTTTGGAAAAA

Sequence 3356

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGGCAGGTAAGGCAAGCTG
ACATTATTACAGTGGCCTTTCAATGTTAGCCAAAATTTTAAAACAAATTCCTTCCCAA
TTTTTGTAATTAATTTCCATTTATAATTATTTTTAAAGCTTTTAAATATAGCAATT
TGGTATTGAAAAATAGACAGTGCTCATTGATTAGTTATCCATTGCGGTATAACAAATTA
TCCTAAACACAGTGGCTTAAACAAGCATGTATTAATCATAATTTCTGAGGCTCAGGA
ATGCTATAGCATCTTAGTTGAGTATTTCTGGCCAGGATCTTAAGAAGTTGAAATCAAGC
TCTCAGCTGGGGTGGCATCATCTGAAGTCTTAAGTGGGGCTGGAGGATCCATTTCCAAGG
AAGTCTCACTCACATGGCTGT

Sequence 3357

AGGTACCACTACACTCCAGCCTGGGTGACAGAGTGAGACCCCATCTCAAAAAAAAAAAAA
ATGAATTATGTAAATGGGTTTACAAGGGTTATCTTTCTTTGCAGACCCAGAAAGTCCACA
TTCCCTCGAGAACTACAGCAGTTTCTGCCTTCAATTTCTTATACCTGCTCCTCTGATT
CTGCTTTGGGTCCCACCAGCACCGAGGGCCATGGGGCCCTCTCCATTTCTCCTCTCAGCA
GAAGTCCAGGTCCCATGCAGGTAAACAGGTGAAATTTAATGAATTCACCCATCAGTTAG
ACCTTATGCAAAGCTTTGGTGTCTGAGTTTACAACCCCGGCCACTCAGCATGGTGGTGG
ACTTCAGGGGCATAACCTTACTTTGGTAGTCTTGGAGGTACCCTGCC

Sequence 3358

TCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTNTTTNCCAAATAAAAT
TACTGCANCTTTTGTANAATTTATTTGTGCTACAANACACGTTGCATAGGAANCTATT
TAAAGCCCCCTCGAGGAAAAAATATCCATGGTTTAAGGGNGGCAACCTGGTTTTTGTTC
CTTCTTTTGGGNGAAAAAGGNTGANANGAATGGTNCTTNTNGGNGAANNAAANTTATTGG
GCGGTTGCGANTTTGNANNAAGCNCCANATTGNGAAAGGGTNTAATTAATTGGGTNTGN
GGNATTGNATTTTGNNCNNAATTTNGNAGCNTGATCCCTTGGGGTCTCCTTTTGGCCA
AGGCC

Sequence 3359

CCGCGGTGGCGGCCGAGGTACATTCATTTAACTGCCCAATGACACACTGAGGTTGTATT
ACAGTATCCCTGTTTGACAGACGAGGAAAATGAAGCTACAAATGATTAAATAAAATCTGC
CAGGCTGGGCGGGGTGCGGTGGCTTACACCTGTAATCCAAGCACCTTGGGAGGCCGAGGC
AGGCGGATCACAAGTCAGGAGATCAAGACCATCCCGGCCAACACAATGAAACCCCGTCTG
TACCTGCCCCG

Sequence 3360

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGGCAGGTAAGTCTTTTTTTTT
TTTTTTTTTTTTTACTTTTTTTCTACAGATGGGGTCTCACTATATTGCCAGGCTATT
TGGAACCTCTGGGCTCACATGATCGTCCTGCCTTGGCCTCCCAAAGNGCTGGACTTACAG
GCACGAGCTGACATGCCTGGCCTGATATGTCAGTTTTCAGTGGTTGTCAGNGTTTCTTTG
TTTTCTCCTCTGTCCTAGGCACTTGTCACTAGGAAAGTGCCTAATGACTCCATCAGGNGT
GGCATTATTATTGNTGCAACAG

Sequence 3361

TGCCGCCTCCCCCTAACTCTGTGCTGCCTGAGCATGCAGAACCTTGAGGGGAGAGATTC
TGACACAAGTCAGTTAGAAAGGGCTACCAACCTTAGCCAGCCTGGCCCTGCAGGAGCCAC
CCCTCACTAGGCCTGTGGCAGCTNTAGAACTAGNGGA

Table 2

Sequence 3362

NCATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTT
TTTTGTATACTTTCTGAGCTTCCCTGAGAACTCACTTAGGAGACAGTCTTCCCAATTG
TCTGTCTTTTGTAACTTTTTGAAATGTCTGGCCAACTTTTAGTGACAAATTGGAGTTTC
AACATTCTTGGCCCAAGGGGATCATCCAAATCGAGGCCTGCATATTACCTCATTGCTCC
CTCAGTCTGTCTAGGAATCTCATAGGCCCTTCATCCTTTTCCTGNTGGATATCAAATGCT
TTAGAAAGATTTGGGGTTCAGGGTACCTGCCCCG

Sequence 3363

CTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTGGCTTA
TCCATTCACCAAGTTGACGGACATTTGAGGTGTTTCCAAATTTTGGCTGTAACTGTTTAT
ATTTTGAGCCCATTTTCATTTTTGCTTCCAAAGAGGCTGGTTGACCTAAACACACTGCA
GTTTTCTCTGAAAAATCTGTGCTGGAGTCATACGGAGTGGTAGATTACAGACTCTTTTCT
TGGGACCTCATGAAATTGCTATCACGTTTACAGAACAAAGCTGGAAAGCCACACCAATTGA
AACAGACGNTTCCANTCTCCAAGTTTATATTGCCAACACACAGCCTNTTGAACCCAG
GCCACCAAATAAATAGTAATTCAAGGCGCATATTTNAAGTGTCCACCACATTAGNAGAGG
ATTCTGATCTTTTAAACAACACTGGCCACCTTANAGTGTTCAGAAAGGGAATNAGTCGAA
AAGGACTGCTCTGGTTAAATATGAAAGNNGGGGGGAAGAACATTACATTGATGAAGGGG
GGC

Sequence 3364

AGGTACAGTGTCTCCGTCCGCGGAAAAAGAAGCCTCTGAACCCGCGCCGGCCCGCAGCCC
CCGTGCCTTCCGGCCGCCCGGGCAGGTACACAAGCTGACAATAATCCTTTTCTGTATGTG
TGTGTTTGTCCGAAATGGATGGGAGGCCTCCAGCCAGTCTTCCATTGCTCACTGAAGGG
ACGTCCCTGAGCCGTGCGCTCTCCTTTTGAAGTCTTCTGGAGAACGGATTCCGCTAGA
CACCTNCANCATCGCTGACTTTATAAAGCGGAAAAACGGGAAACGTGACTTTGTAATA
GACAAACATTGTTTTTTTTAATGGGGTTCCATGGGGGGGGCGTNCAGCCTTTTCTGT
TGCTGTGTGCTGTCCAANATGCCCTCTTTGGGCGTNCCTGTTTGTCTCTTCCCNGTGG
TTGGTACCTCGGGCCGGCTTCTTAGAAACTAAGTGGGATCCCCCGGGGCTTGCAGGGA
AATTTCAAANAATCCAAAGCTTTAATCCGATACCCGGTTCGGAACCTCGAAGGGGGGGGG
CCCCGGGTAACCAAGCTTTTTTGTTC

Sequence 3365

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTCACTGCGGACTTGACTTCTTGA
GCAAGAAGGCTGGCACTGTTCAATTAAGAGAATCACAGAGATGAATCTCACAATGCAGGAA
AACTAGGTCATAATGTCCAGCAAACATGAACATCTGAAGTGAAGAACCGGCTTTCTGAGGA
CTGCCCATTCTCCTCCACGTGGATGGTGAATCACGTTGATTTGAGCAGCTGTTTCTGAT
GATGAAATACTTCACAAGGTCAGCCTTGCTTTCAGTGGGGGTGGCATANCAGTTTNTCA
ACACCAGGGTTAAAACCGGGAGGTGGTCCCCTTGTCCAAAGATGGCACCCACAATACAG
CACCGGGAAGTCAACAGACAGGTTCAACTGCATCCCCTTTCGTAAGGGATNTCGTGTAGNT
CTGGTCTTTGGAAGAGGGGCCATTCCCTGACCAATGAAACTCTTCCAATTCCCGTCCACG
NCTGGACGTTTCAAGGGAAACTTGTNGAAAAAGGAA

Sequence 3366

CCGCGGTGGCGGCCGAGGTACTTTTTNTCTTTNTTTTTTAAGTGTGTGGCTGCGGA
CACCTTTCAACACTGCCTTCTTGGCCTTTAAAGCCTTCGCTTTGGCTTNNGCTTTAGGAT
GAGCAGGANCTTCTTTCGCTTTTGGTGCCATCATNNGTGGTGGAGCCAATNATGGCCCAA
TAGGAACAGTTCGGTCTNCANNNTCCANCCTGAGCGACGCAGAAGAACNNGGTGGANT
TTCTGCNATTTTCCATTCTTTAGGGNTTTCATCTNATTTNNGGACNTGGGATTGGGGACA
TGTNNGGGTNGCCNGNACCCANCTNGAANGGNATTNTAGCCTTGAAAAACCTNTAGGGGG
GGNTGGTTNANCCCTCAACCCCTGGGGGAAAAGGCCNACAANANNTTGGGTTTNGGGGGG
GGAATTTTTTCCCCTT

Sequence 3367

Table 2

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGATTAATTATTTGCTGTTAT
TTTATATTATTTTANACTATGGAAATGATGTTAGACAAATAGCAAATTCAGCGATTTT
CTTATTCGGGGTCAAATGGTTCATAAAGCAGCAGANACAACCTCACAACACCAACAACGC
ATTTGGCCTAGGAACTACTAACAAATACTACCAAAAACCTACCACAATACAGTGGNGGT
TCAAGAAGTTTTGCAAAGNGACTTCAAAAATGAGGAACATCNTTTGGCCTGCCATCAGG
AAGTTTGACAAAATTGACCCAATTGANGAGCAATCNTTGAANGTNGATCGNCTTCAGNT
AANNTGAGAAGCTGCCANAANAANCTCAAAACATTGGACCATTNTACGGTTCGTTTGGCAT
TTGAAGCAAATTGGNAAAGTTNGAAAAAGCTNANATAAAATGGGGTGCCNTNANGACCNT
GAAGGAAAAATTTTTT

Sequence 3368

CCGCGGTGGCGGCCGCCCGGGCAGGTACAACCTACAGAACCGTCAGCCAATTAACCTCT
TTTCTTTATAAATTACCCAGTTCCGGCTGGGCACTGTGGCTCACGCCTGTAATCCAGCA
CTTTGGGAGGCCGAGGTGGATGGATCACGAGGTCAGGAGTTCAAGATCAGCCTGGGCAAG
ATGGTGAAACCCCGTCTCTACTAAAAATACAAAAAAAAAAAAAATTANCCTGTTGTGGAG
GTGGGCGCCTGAAATCCAGCTACTTGGGAGGCTGAGGCAGAGAATTTGCTTAAACCTGG
GANGCANNANGATGAAGTGAGCCGAGATTGCACCACTGCACTCCAGCCTGGGTGACAGAG
CAAACTCCATNTTCAAAAAAAAAAAAAANNAGAANNNGAAAANGTTCTTCGGCCGCTCT
ANAAGTAGTGGGATCCCCCGGGCTGCAGGAAATCCAATATCAAGCTTATTCGNATACC
GTCCGACCCNCGANGGGGGG

Sequence 3369

CCCGCGGTGGCGGCCGCCCGGGCAGGTACAAAAGTCGCGGAACAGCCACCCATCTTCGA
GAACATGTCCAGCTACCAAGAAGTCTGACATCAAAGTGGTCCCTACCTCCTGCTGCTCAN
GGAACAGGAATAAGGAGTCTAGGACAAAAACAAAGAGCCTGGGGTTTTTGAGCCAAAAG
CCCAAAACAAATCACTGGAAAGAAACGGGTGTTACGGGGCCAGAAGTCTCANAACCCAAC
TTTCATGGGAAANTGCTGGCTTGGNAGAAGGGGGGGATGCCTGGACCANAACCTGNTTTA
ACCAAGGGGAAANAAAGTTGGGTNNGGGGGGCCCANAGATTTCCACCAGGTTTTGGNGGGG
TNAACCTTGCTTGCTTGGACNTTGGGAAGCCTTGTTTCAAAGTNCCATTTTGGGAGNAT
TCTTTTNCCAAATGGAAAAATGGANAAAACCAANAAAAANNAANAAGGNANNTAANAA
AAANANCTAAAAAAAACCAAACCTTNGGGCTTNAAGAAGAAGAAAAAAA

Sequence 3370

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCTCCCTCTTTTCTAGGGA
TGTGGCTTCTGAGAGCCAAGTTGTAGTGACTGTCATCTCTTGTGGATCTAGCCACCC
AGCAGGTCTACCAGGCTCTGGGCTGGTGCTGGGGGTTGTCTACACTGGGTCCTGTGATGT
GAACCATCTGCAGATTTCTCAGCTATGGGTACCT

Sequence 3371

CCGCGGTGGCGGCCGCCCGGGCAGGTACCAGAGGAGGAGATGGATGATCAGAGCCCTGCA
CCTGTTTCTGCAACCCCTGCCACTGGTTCTATGGCCACAAGGAGTTTACCCAGTAAA
GGAGTTTGAGGTGTATCATAAGCTGATGGAAAAATACCCATGTGCTGTTCCCTTGTTGGGT
TGGACCCTTTACGATGTTCTTCAAGTGCCATGACCCAGACTATGCCAAGATTCTCCTGAA
AAGACAAGATCCCAAAAGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTTGGTCGAGG
ACTTGTGACCCTGGATGGTTCTAAATGGAAAAAGCACCGCCAGATTGTGAAACCTGGCTT
CAACATCAGCATTCTGAAAATATTCATCACCCATGATGTCTTGAGAGTGTTCGGATGATG
CTGAACAAATGGGGAGGGAACACATTGCCCAAACTCACGTCTGGAGCTTCTTCAACAT
GTCTTCCTTGA

Sequence 3372

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTGTGGCTTGGTTTCTCGGGAACGTCAT
CTTCTCGGGCGCAGCCATCTTGCCGGCACCCCCCGGTACCCAGGGAACAAATGCTACTG
GGACTCCACACCTACCTAAGAAGCAGCTCTACCCAGACTCCACATGGCTCTCTGTTTTGG
TCTGGAGACCCAGCTGGGGTATCTCCTGAGCCCAGGGATTCAAAGGTTCTGGGCAGAAA

Table 2

TATGCATCCACGGGACTCTCACTCACTCACCATTTTCTTGAGGGGGATTCCCCTGGG
TCTTGNGCCACTCCTGGGTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAGGT
CACACTATGTCACTGATGAATCCTTATGTNTCCACCTGGATGTTCCGGT

Sequence 3373

AGGTACGCGGGTGGCTGGATATGGCCCCATTGAGCAGCTCCAGACTACAACCGGATCCG
TAGCGGCATGTTCTGGCTGCGCTTCTAGGCGGGAAGCCTATGTAAGCAAGAGGGCAGGGC
CGGGGTTTGTGGTCCCCCCCCCACCACAAACACAGCACTTCGGCTCCTCTAACCTGTGCC
ACAGGTGACCACCAATAAAATCCTCTGCTGAGAAAAAAAAAAAAAAAAAAAAAAAAAN
AAAAAANNAAANAAAAAAAAANANANANANANAAAAAAAAAAAAAAAAANANAN
NANAAAAAGGNAAAAAAAAANAAAAAAAAAAGGCCNNCCCNNGGGGGGCCCCNGGGA
NGGTCCCNNGGNNTTTNGGGGNNCCNNGGNAANNNGNNNCCCCTTNNCCCCAANNTTTNN
ANCCCCNNGGCCANANNNGGGAANCNTTTCNTTCNNAANANNNAAAAATTTACCGGG
GGGGGGGGGGGCCCTTTNANTCTTNCCCTTNGGGGGGTTTNTTTGNGGATTCTNCTTGA
CCCCAAAAGNTTTAGGNTTTCGGAACCCCTNNNTTGGCCCCNTTTCCCAACCNNGGGN
NNAANAGGGAANCCNTTTNAAAAAAAAACAAAAAAGGGGGGAAAAAGNAAAAAA
AAAAAAGGGAAGNAAGG

Sequence 3374

CCGGGCAGGTACGCGGGGGGACTTACAAGATGGATAGGACCTGGTGGCAGCTGTCCTTGA
GGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAGAGTACCTCGGCCGCCCGGG
CAGGTACCTGATGTTCCAGGCCCGCATGCAGTTGTTACCCAAACACAGTGATGGTCGAA
ACGGTGACACACCAGTTACACACACTGCAGTGCTTGGATCGAGCTGGTTTCCTTAAATC
ACAAGTAGAGCACCTCACGTTCTTTGGAACATCACTTCATCAAATTCATAAACATGAAG
AAATAATAATTCAATTTGCTTTTGTATAATGCCAGGATTGGTTCACAAGTCAGGGTGAA
AAAAACAGGTTTACACCTAGCAGCAGATAGGGCAGAAGAAGGTAATGCAAGGACAACCTC
CAGCTCCTGACAGTANCCAAATACTTCCAGGTGTACCT

Sequence 3375

CGAGGTACGCGGGGTTGAGTGAGCAAGTGAAGACCAATATTCAACAGGCAGTTGCAGCTG
CTCCCTGGTGGTTACCTGTGAAAGGCGCTAACTGGAGACACCCAGAAGGGCCTGACTCTA
CTATTCTGCACAGGCCGGATCATCCAGTTCTCCATGTGTCTGGAATGATGCGGTTGCCT
ACTGCATTGGGCGAGGAAGCGGCTGCCACGGAAGCTGAGTGGGAATACAGCTGTGAG
GAGGCCTGCATAATAGACTTTTCCCCTGGGGCAACAACTGCAGCCCAAAGGCCAGCATT
ATGCCAACATTTGGCAGGGCGAGTTTCCGGTGACCAACACTGGTGAGGATGGCTTCAAGG
AACTGCGCCTGTTGATGCCCTCCCTCCCAATGGTTATGGCTTATACACATAGTGGGGAA
CGCATGGGAATGGACTTCANACTGGTGGACTGTTTCATCATTCTGGTGAAGAAACGCTTAA
CCCAAANGTCCCCTTCTG

Sequence 3376

TCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCTCGCCCGGGCAGGTACCACATGC
CCGTAATCCCAGCTACTTGGAAGCTGAGGCAGGAGAATCTCTTGAACCTGGAAGGCGGAG
GTTGCAGTGAACCAAAATCACGCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCTTAG
TTTTAAAAAAAAAATCAAATATTGTGTGATTCTGTTATAGGAAATATTCAGAAATTGGCA
AGTCCATAAGGACAAAAACCAGATTGACAGGGGCTGAGATGAAAAAGAGAATGGGGTATG
GGGAGTGACAGCTTGATAGGTATGGGTTTTGTTGGGGGGAGATAATGAAACATTTGGAA
CTAGGAGAATCACCTGACATCAGGAGTTCAAGACCACTGAACTCGAACCTGGGTGACAGA
GTGAGACTCCGTCTCAGAAAAAAGAAAATGTTTGGAAGTAGATGGTGGTGGTTGTACCT

Sequence 3377

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTAGTAAGAGACAGGATTTCCG
CATGTTGGTCAGGCTGGTCTCGAACTCCTAACCTCGTGAGCCACCTGCCTCGGCCTCCCA
AAGTGCTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCAGAAACCAGATTTCTGAAGCC

Table 2

TGGACAACCTAACGTCTACTTTTTCCACAACCTCTCTCTTTCTAAATTTCTAAAAATCA
CCCAGCCTCACCAACCCAAACATAACCAATGTTAACTTTAAAAATTTCTGTGTCAGTC
TTTTATTATCCCAATAAATTTTTATTTTGCAGGATTATAATCACCTGTATATGCAAAT
TCTTATTACTGTGGAATAAACATTTTCTCTATCACAAAAAAAAAAAAAAAAAAAAAGG
TNCCT

Sequence 3376

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGAGGCTCT
GCTTCTCCAAGGAAACCGCCTAGTTTACTGTTTTGAAATCAATGCAAGAGTGATTGCAGC
TTTATGTTCAATTTGTTTGTGTTGTCTGTTTGTTCAGAACCTGGAAAAATTCAGA
AGAAGAGAAGCTGCTGACCAATTGTGCTGCCATTTGATTTTTCTAACCTTGAATGCTGCC
AGTGTGGAGTGCGGTAAATCCAGGCACAGCTGAGTNATGATGTAATCTCTCTGCAGCTGCCG
GNCCTGATTTGGTACCTNGGCCGCTCTANAACCTAAGTGGATCCCCCGG

Sequence 3379

TCCNGCGAATTGGANTTTCACCNCGGTGGCNGCCCGAGGTAAGTGGCAGGGCTGTGNGATT
TTTCTTCTCTACCAGTAAGTAGCAAATNTNAAATTTCTGCTGCTCAGACTGAACAGGGCA
ACACTGAGACTCAGCCTCAGCCTGTCTATGGCAGGGCTTTACTAGGGTGGTATGTTTCAT
GTAATTCCAGCGCCTTCACAATTTAAGCAACCAATTTACTATACTTCACTTCTAAAAAC
CTAGATGAAACATGAAAAAGAGNCATACAGTATAAATTGCAACTTCAGGAAAAGNTCCT
GCTTTATTATTCCAAATAATTTTNCATGTAAATAAATGTCCAATAGGTTCTGGTAT
GTGGGAAGATAATGTTTGTAAAGAGTCANAATGAAGCCTTATTGACCGAGGGCTTGGCTA
TATAACAGNNGCAAGTTGAGNAAAAAGTTTAACTCTCAAACNTATTTNGACTTGGATGG
AAAGTAAAGANGCAGTAACCGGNCACCTTGCACATTNCAGGGANGTCTCA

Sequence 3380

TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGNTCCCNCTGNGNNGCAGGCACA
TAACTAAAATCNANNTTNAGNCCANCCACNCCTTGACATNAGNGTGNCTCAGCCNGNAT
TCATNTGCNGAGANTCAAGTNTTGGTCCATAAAGGATCATTCTATNTAATGGCTCATC
TTTAAAGTCCTAAGAGAAATATGTGACAGGTAGTTACTGTGAGTAGGGATATTTTCTAC
CTTTTTCCCTATNGTTGAAGTGTGCGGCCACAACAGCTTCTGGGCATGTTGAGCCTCAAA
ATCACCACCTACCAAAAAGGGCAAACTAAAAATCCCTATAAAATAAAAAAGAAAGTTCC
CCCAATGTTTATGTCATTTGACAAAATATTATGGGTATTTAGCAAATGAATAAGAAA

Sequence 3381

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGGATTTT
TTTTTTTTTTTTTTTTTTTTCTNTGGGGANTAAATGTTATTTTATTTAAGGNGGGA
GAAATAATAGCATGGGCCAATGCTAAGACATATGAAAGCAATAGTCTGGTAGTGCCTANG
ACACANTATAATAGTAAGNGTCTGACACATAGTAGCTATTCAACAAAAGTCATTTAAAAA
TTAACTTAAAAATTCAGTAATATTTTTTCC

Sequence 3382

ATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGAGGTAAGTGCCTTCTACTCTGCCAG
GCTCCCCGGTTACAGAAGTCTATGCTGTGACAAAGACACAGGCATGAATGCTGTCTATAG
CTTACAGCATCATAGGGAGAAGAGGTCTTAGGCCTGAGTCCTCAGGATTGACCCATAAAA
CTGGCAACATTACTTTGGAAGAGGCATTGCTGCAGACAGATTATGGGCTCCATCGCTTAC
TGGTGAAAGTGAGTGATCATGGTTATCCCGAGCCTCTCCACTCCACAGTCATGGTGAACC
TATTTGTCAATGACACTGTGAGTAATGAGAGTTACATTGAGAGTCTTTAAGAAAAGAAC
CAGAGATTAATATAGAGGAGAAAAGAACCAAAATCTCAATANAACCGACTCATAGGAAGG
TAGAATCTGTGCTTGTATGCCACCTTAGTAGCTCTGTCTGTAATAAGCTTGGGGTTC
CATCAGCTGGTCACAGGGATGGGCATATTCCATCTGGTTAAGGNAAG

Sequence 3383

ACTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTGCNNTG
GNANACTTGANAGGGCACGTNTCTNAGACTTCTGGANAGACCATTNNAGGCTTCTGGC

Table 2

Sequence 3384

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACTATTTGATCAG
AATACTAAAAAGATTGCCACATTCTGTTTCTTAAGAACAACTGTTGCTCTCTGTATGCA
GATCTAGCCAAGAGAAAACATATGTGACAAAAAGACTGTTCTTATTAATTTCTAAAGAAC
AGATCTTAAATTTACAAAAAACAAGTACAGGTAAGCCCTGGCTGCCTCC
ACCCACTCCNAGGGAGACCAAAAGCCTTCATACATCTCAAGTTGGGGGACAAAAAGGGG
GAAGGGGGGGGCACGAAGGCTCATCATTCAAATAAAACAAAATAAAAAAGTATTAAGGCG
AAGATTAAAAAAATTTGCATNNGATAATTGACACAGAAAGCAATGCTANGCACCTCCCN
TGTGTGGACTTGGGAGAGGACTGGGCCATTCTCCTTAAAGAGAAGTGGGGTGGCTTNTAG
GATGGCAAGGGACTTCCTGTAACAACGCATCTCATATTTGGAATCCCGCGTACCT

Sequence 3385

CCGCGGTGGCGGCCGGGCGCGGGGGTTAACGCCTGTAATCCCAGCACTTTGGGAGGCCAA
GGTGGGAGGATCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACGGTGAAACCCCG
TCTCTATTAATAAATACAAAAAATTTGCCTGGCGTGGTGGTGGGCGCCTGTAGTCCC
AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCTGGGAGGCGGGGCTAGCAGTG
AGCTGAGATTGCCCAACCGCACTCCAGTCTGGGGGACAGAGCGAGACTCCGTCTCAAAAA
CAGACAAACAATAAACAACAAAAATTCCTAAATATCCTATATTGCACAGGGCAGCCC
CTCCGACCCCAACAATATGTGCTCTAAAATGTCAACAAGTCTGAGGCTGAGAAACCTT
GCTCCAGGGGAACACGGGGGCATGGTAGAGACAAGAACAAGCTATTAGGAGAGAGAGCAT
GCACTCACCATGACCAGTAGGCTGTCTCAGGTGGAAGTAAGGTCTTAGAGAATGAAGAC
AGTATGGGAGGAAGATGATGG

Sequence 3386

CGAGGTACACTTGGAGGAAGGCCAAGCAGGCGACTTGAAAGATAAGTGCCCCATTGACCT
TTTACTTAGAGTTTATATGTTGGCTTACTTCTGGGTTCCTACAACCCCTTCTCTGATTCT
TCCCTTGTGGTTGGCTGTCCATGTGTGTGCAGTGGCCTGCTAGTCTTGGGAGGTGAGCA
TGTGCAGTGTGTTTACTGGAGTTGTACCTGCCCC

Sequence 3387

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAAGATAAAATTTGA
AATCTGGTTAGGCTGGTGTAGGGTCTTTGTTTTGGGGTTTGGCAGAGATGTGTTAA
GTGCTGTGGCCAGAAGCGGGGGGGGGGTTTGGTGAA

Sequence 3388

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCATGGAGGCTGATGGGGCCCCGG
CGAGCAGATGAGACCGCTACTACCCGGGGTCTGATGAAGAAGCTGTTGTGGATCTTGG
CAAACTAGCTCAACTGTGAACACCAAGTTTGAAAAAGAAGAACTAGAAAGTCATAGAGC
TGTATATATTGGTGTTCACGTCCCGTTTAGTAAAGAGAGTCGCCGGCGTCATAGGCATCG
CGGACACAAACATCACCACCGAAAAAAGGTCCT

Sequence 3389

CCGCGGTGGCGGNCGAGGTACATATAAACACCCCTCACATGCTAGACTAACTGCTGAACT
GCCCATGCACAGGGGAAGTGCCACAGATTCCAGCAGAGATTTCAGTAGCTGCCTGCTGTG
GGAGAGAGGGAAATTTGGAGGTGGAGTCTTGTCAAGTTAGAGGCGATTTCGATAAACACCTT
GGACTTTGCTTTGAAATCCCAGAAGGGCTACCCCTTAGGGGCAAATACTACTCCCCAGGG
CTATGGCATTTCCTTAGGACTAAGGGCAAAACAAAAATAAAGCATAAAATTTGTGCCTAC
ACCAGATCTACAGGTGATTTAACTGTCTACTAGAAAAAACTGAATTCTGCAGAAGAAAAC
AGAATCCAGAGCCTCTACAACTATCACCTTCAACATCCAGTATAAAATTAATAAACTAC
TAGATGTGAGAAGAAACAGGACCCTGTGACCCTTACTGAAATGAAAACTCAGTTAATAGA
AACAAATTCACAGGTGAACAGTAACTTTAACTATGAACAAATATGTTAAAAGAATTTACA
TGAAAAAATGGGTGAA

Sequence 3390

CCGGGCAGGTACTGCTATTATAACAAGTAATATTTCCAGACTGGTNTGAGACAGTCACC

Table 2

CGTGAATTCANGTATTTNATCATCTATCANCCTTTAAATNTTTGNTTGTACTCTAAA
AAAAAGTTNTATTTTGGAGGAGAAAGGTAATNTTTCCAGTTNGGTGTTNCACACATGG
NTGGTTATACTAAGTAAAGATCATCAATTCAATTTGACATGTATATTANCCCTGTAAA
TACCTCATGTCCCANATACTAAGNCAGACTTCCACCTAAGCCTACANGANGACGCAAATT
CTCAGGATTTTCACACTAGATTATTTAGAAAAACAAACAAAGATCTGAATTATTNTATAAT
CTAGTGCTNAAGATTCTAAAAGCCGAAATAACCTCTGCACATGCAGAAAAAGCTGGCTTC
ATCAANAGTCTGCCTGGCACATTAGGACNGACCCTGTGCCAATTGCTCAAGCGGGTNANA
CCTGGCCATCCTCCTCACCAGCTTGGGNGAGCTGGTANGTTTCTTACCTGAGCTTCCAG
TNACGCTGTGGGGNAATCTTNAGAANGGGTCCCAACCATTCTTAATATCCAAACCAATA
GGCATNGGNTNTTCCCTTNGNAAAAGAATTAATTTCCATTGAGTCTAAGGGGGAAAA

Sequence 3391

AGCTCCACCGCGGTGGCGGCCGAGGTACTCAACATTGGACTTTTCTACTCCCAAAGCCAG
ACCACACTCCCATAGCATGGTGCTCTGTAGAAGACAGGCAGTTTAAAAAAGACTTCAGAG
GCCGGGCACAGTGGCTCACTCCTATAATCCAGCACTTTGGGAGGTGCGGCCATGACAGG
CTTTTGTCTGCCCTGTGCCTCAGCTCACTCCTCACTCTGTTACCCAGGCTGGAGTGCAGT
GGCACCATCTCGGCTCACCAGCAACCTCCGCTTCCCCGGTTCAAGCGATGCTCCTGCCTTA
GTCTCCCAAGCAGCTGGGACTACAGGTGCCACCACCGCTGGCTAATTTTGTTTTT
TAGTAGACGGGGTTTACCAGCTTGGCCAGGCTGGCCTCGAACTCCTGAGCGACAGAGTG
AGACTTTGTCCGAAAAAAGTTTAAACAGGCAAAAAATAAACTATGGCGGNGGG
GGTGCCGGGTGGTNAGAAAAAGTTAAAGGGGCTTG

Sequence 3392

CCGCGGTGGCGGCCGAGGTACTGGGAATGGGAAGTTTTCTGAATAAGGGTAACATGGGGC
AGAATTTGTCTATTGAGGTGCAACATTATGTGCATTTGCTTAAAGTTTTACTTAAACAA
CTGGTGCTCAGGTTAGTTCTCAACATTAATTAAGATGCTGAAGAAGGTCACTATACATA
ACCCGTGGTTTCCACAGACAGGCAGTCTTGATGTAGAAATTTGGGACAGAGTAGGACCAG
GATTAACCGGGCTCACCAAAAAGGTCTTAAATTTGATCTTTTGTTTTTTCTGCTTGG
AGTTTAGTCCGTGCTGTCTCCTGCCATTATCTTCTTATTCTGCTAGACAGCAGGAA
TCATATTCGAAGTCTAAAAATCTGAAAAATATTTTGTCCCACCCACAGTACCTGCCCG

Sequence 3393

TCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGTTAAGCAAGATTTT
TGAAGCCATTGCACTGCTTCCCTGGCTTCTTCTGGTCTAATCCTGAGGCTCTCCTCTC
TCTTCTGGTTAAAGACCCCTGGATGGCTTCAGAGCAACAGAAATCTCGGCTCCTGGTTGA
AGAGGTGAAGAAAAGCCCCGCGTACGAGAAGAAATTAATGTGACTTCGAATTTAAAGC
AAAACACCGAATTGCTCATAAACCGCATTCCAAACCAAACTTCAGATATTTTGAAGC
AGATATTGCAATGATGTGAAATCCAAGGATTTGCTAGCTGATAAAGAACTGTGGGCTCG
ACTTGAAAGAACTAGAAAGACAGGGAAGAA

Sequence 3394

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATCATTTTGAAGGGAAC
ATATATCCCCCGGGGAAGTTTCCAGTGGGATGGAAATTCGCTGCCACCGGTATGGGTG
GATGACTGAAGACTTGATGCAGGACTGGTTGGAAGTGGTGTGGAGACGGAGGACAGGAGC
AGTGCCCAAGCAGCGAGGGATGCTGATCTTGAATGGCTTCCGGGGCCATGCCACAGATTC
CGTGAAGAATCCATGGAAAGCATGAACACTGACATGGTGATCATCCAGGGGGTCTGAC
CTCACAGCTTCAGGTGCTGGATGTCGTGGTCTACAAGCCACTGAATGACAGTGTGCGGCC
CAGTACCTGCCCG

Sequence 3395

CCGCGGTGGCGGCCGAGGTACTTTGTTTCGTTTTGGTTTTAGTTTTGCATTTAGAGTGCC
TTATAATTGATGCCTATTTTAAAGCATTCTTTTACGTTTTGGTTCGATTTCCATT
ACTGTTTCGTATCTGTTACTTTCTATTAAAGCATTATCTGTTTACCACATGTACAATGACA
GTAACAGCCGCGTGGTGCTGCCAGGACTGCCCTTGGGCATATCAGTGACAGCCCAAATGT

Table 2

GGGTGGAGGAAACCTGTAATTCCTTCTTAACATGTGTTTGAAATACCAAGTGAATAATA
CTGTTCTGGAAAAAATGATAAAGTAGTGGAAATTAAGAAATTAAGGGTTTTATATAAT
AGACAGGCCCCACCTCTCAAAATATTTTGAAGTCTTTTTGTAACTAATTCCTTTGA
TCACTATTTTGCATCAGTAAATGATTTTTTAAAACCAATAAATCATCAATTATTAGAA
AAAAAAAAAAAAAGTACCTGCCCCGGCGCGCCCTCTAGAACTAGTGGATCCCCCGG

Sequence 3396

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCACTCTTTA
CCAACTGCTAAAGGAATCGAAACCTTCTCCAGAGGTCAAATGGTCAGGAATTCGAGTAA
GGCACACTCTCAAATCCTTAGTAAGGCCAAATATCTTTTAAATTCAGCATCACTCTTCA
GATGTAATGCCTTATTACTCCTTCCCTTGAGAATCTTTCTTGTCATTTCTTCTTGGGCAC
CTTTATCTGATGTTGATGCCATCTCATTATGGATCTTTGGTTCTTGGTCTCTAAAAACAC
ACTGTTGTGAAGTAACAGTTGTTGCATCAACAGAGGAACCTATTTTCTCTATGCTCTGGA
GGACACTTCCCTTTCTAGCATAAATGACGGCTGTTACTTTTCTGGGGGCATTGTGTCTGT
TACCT

Sequence 3397

ATACGACTACTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCCGAGGTACGCGGGGG
AGAGCGCGGTTACCCTGGCAATATTGGTCCCGTTGGTGCTGCAGGTGCACCTGGTCCTCA
TGGCCCCGCGGGTCTGCTGGCAAACATGGAAACCGTGGTGAAA

Sequence 3398

GTAATACGACTACTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTGG
ATTACAGAAGCATAGAGTTTCCAATATAACACATTCTGCTAAGTCAGAAACAACTATGT
TTTATTTTATTTTATTTTATTTTGGAGACAGGGTCTTGCTCTGCCACACAGGCTGGAG
TGCAGTGACATGATCATGGCTCACTGCAACCCCGAATTCCAGGCTCAACCAATCCTCTC
ACCTCAACCTCCTGAGCTGCCGGGACCACAGGCCTGCATCACCATGCACACCCAATTTTT
TTTTTAATTTTTGTAAAGACATGGTTTCCGTTATGTTGCCCGGGCTGGTCTCAAACTCC
TAGGCTCAAGCAATCTCCCTGCCTCGGCCTCCCANAGAGTTGGGATCACAACATGAG

Sequence 3399

CGAGGTACGCTAGGTAATCTTAGTTCCTTAGTAAGATTAACCTCTTGTTACCTCTCATGT
CTGTTGAGCACCAAATTGTAAAGGCAGCTACAAATCCCAGACTTTCCTA

Sequence 3400

ATACGACTCACTATAGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAG
GTACGCGGGGAGTGAAGGTCTGCTGGAGCAGAGAACTGACACTGACAAGAAGAACGAGA
ATGAGAAACCTGCGACGAGTCTGCTGACAGCTGATATAAGTCTGCAAAATCAGCTGGAC
CACCAAACGGCAATTGAGAGCTGCACAACCTGCAATTACCTTTATTCAATTAATGCAAAA
ACAAAAATGGGGAGATGTTACAGGCCGAAAGAATGAAGGTCGTGACCAACTCAGTATACC
ACTGAAGGCTATATGAGCAAACAGAAACTGTTCTCATGAAAGCAGGATGTTGGAAAACT
AACAACTGTGTCTGCCGCCAGAAGGGTTGCTGAGGGCAGTCATGC

Sequence 3401

CGCCCCGGGCAGGTACGCGGGCAGGCTCAAAATAAGGAATGGAGAAAAATATTTCAAGCA
AATGGAAAAACAGAAAAAGGTGTTGCACTCCCAGNTTCTGACAAAACANACTCTACCAAT
AAAGATAAAAAAGAGAAGGACATTACANAGGTGGTCTGACCTTTGATAAATCTCATT
TTGCTTGATACCAACCTGGGCTATTTGATTGCCCAAACGAATAGGATAATTTGCTGAN
GTTGTGGANCTTCTCCCTTCACAGAGNCCCTGATCTCCGA

Sequence 3402

CGAGGTACATGACAAAACAGGCCTTTTAATTTACATCCTCTTTAATTCTCATTAAATC
GCAGGGTTTTTGTGTTGAAAGACAGTCCTTTTTTATTTATTTTGAAGGAATGAGTTA
GGGACCCCTTTATAACTCTCTTGGCTCAGACTCGAACCCCATGGTAAAGTCACCTTTCC
GCATCTATCTTCAGGAGTTGCTGGGACTTGTTACTGTGTAGCTGCGTGGGGATTCTGGTC
TGCTCTTGGAACCACTGGCTGGTATCCTTTGTGCGTTTCTTAAGCAGCTCAAAGATAGAAT

Table 2

GTTGCTGGTCTGCTATGGGTAGTGGAGCATAACTCAGCCCCAACTGGACTCCACGGGTG
GCTGAACCATTAGTAAGTTGCTAGGGGTACCTGCCCCGGCCGGCCGCTCTAAGAACTAAG
TGGATCCCCCGGGCTGCAAGGAATTCCAATATCAAAGCTTATCGGATACCCGTCGGAC
CCTCGAAGGGGGGGG

Sequence 3403

CCGCGGTGGCGGCCGCCGGGCAGGTACTCTCTCTCTCTCTCACACACACACACACAC
AC
AGTTTTACTTATAACTTCACTGAAACACAGCTTTTGCTTATTCTAGTTTAGGAACCATGA
GTGATATTTTGGGAAACCTTTTATGGATTTAAGAAATGATCCCTGGCTGGGCGCGGTGGC
TCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACCGAGGTCGGGAG
ATCGAGACCATTTCTGGCTAACACGGTGAAACCCCGTCTCTTAAAAATGCAAAAAATTA
CCAGACATGGTGGGGGGGCACCTGTAGTCCCANGCTACTTTGGGAAGGTTAAAGCAAGACA
ATGNCGTNAACCCCNNGGGAAGGCGGAGCCTTTGCAGTGAGCCCNAAATTANCAACCACTT
GNACTTNCAGNCCTTGGGTGGAAAAGAACC GAAGACTTCCCCCCCCAAAAA

AAAA

Sequence 3404

CGAGGTACACTGAACNACAGCACAGAGAAGTCCANATGCCGAANGACAAGAGGGGCCAGG
CCAGGCCGTGAAAAGCTTTGTGCGCTGAGGTGAGATTGGNCTTGACACTGNAGACANAA
GAAATGTNCTGTACCTGCCCCGGCGGC

Sequence 3405

CGAGGGTACAACAGATAAGTCTCACAACTGTTCCAGCCCTAGGCTGACAGGAGAGAC
GAACAGGCTGTCCACCTTTCTTCTCCATCCAATGGGATGGATCCATGTTCAATCCCACTT
CACACCTTGGTCTGCTGATTAGAGAGCTCATCAGAGGGGCCTGGAAAGGCTGAGCAAGT
ACCTGCCCCN

Sequence 3406

CGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGGNCTGNTTAGCTTTTAGTAAGTCCC
GGGAACGCCTGTGCTGGTGGTGACGATGTTTGTGAGGCGGTGCTCCGATCTGATCCAC
GACGTTTCGTCGTTCTCCCTTCGGTCTAGTTTGAAGGCCATGTCATCGGAGAAGGTGTCCG
AATCAGAGCTGATATCATCACTCCACCAAAGGTTTGATAACTGTGCCAGGGATGCTG
CTTCGGGGGTNACCAACCCCATGTCTTTGGAGTGTGGACTTATGCCGCTTGTGCTTCG
ATACCAAGCGGTGACNCTCTNTGNTGTTAGAGCTGCCGCCTCCCGATGACGGCTGCAAG
TTCCAGAAGCTTCTTCACTCCCGTACTTNTTGGCCCCATGTCTNTNTGAATTGGGCATT
CCTTTCCCCTGACCTGAAGAAAGGAAAAAGTTTCCAGNACTTCAAAAAGCAACCCCC
NCCGCGTACCTGCCCGGGCGGCCGCTTTAA

Sequence 3407

CCGCGGTGGCGGCCCGAGGTACAGGAGGCATGGCTGGTGAGGCCTCAGGAACTCACAAT
TACGGTGGAAGGGCAAAGGGGAAGCAAGCACATCTTACGTGACGGCNNGANAGACAGTG
AGTGAATGGGGAAGTGCCACACACTTTTAAACCGTCAGATCTCATGAGAACTCACTCACT
GTCACAAGAACAGCCCCCGCGTACCTGCCCCG

Sequence 3408

CCGCGGTGGCGGCCCGAGGTACCACATTGCCTGGAAATCCACTTGTGCATTAACCAGAGCT
TTAGCAATCTGTGCTGAGTTTGAAGTGACATTATCATCTGCTGTTCCGTGGATGAGA
AGATAGTCTACATTTCTGAAATATTCTGCTCTTGCCATCACAGTTGAATCTTATAGTGC
TCAAGATTATCATCCTTTGTTGGGAGACCCATGAATCTCCCTGTGTAGACAGACCGCCGT
AATATTTCCAGCTGGAGACTGGAGTCACTGCTATACCACATTTGAAAAGACCAGTTCCAG
ATGCAAGGGGCCAAGTGATGAAACCGTATCCTCCATAGGACCAGCCCCATATGGCTATTC
TTTTTTCATCAATGAAACCCATTTCTATGAATTTCTGACAGCTGTAATCTGGTCTTCAA
CTTCATAAACACCCAGCTTTGATACACTGCATAGAGGAAGTTTGTACCTTGGAAAGGC
TGTTCTCGACCATCCACCAAGGCAATGACCATCCCTTCCTTACTTGCAAGATAAGATAT

Table 2

CCCAATTAACAGCAAATACAGACCTTACACTCTGACTGNAGGGGGCCACCCATACCNTGG
ATCAAGTGCCGTNCATCATGAAAGGGTGGGAAATGGGGGATCCCTGGCCAATGTTTTNC
CAAAATTTAGAAANGGACAAAAGGTTTCATCTTCTANTCCCCATTGGNAACCACCAGTTG
GNGGAATGGATTGANCTCCACCGTGGGCCATNTTCGGGTTTCCAAGNCCGTTGTTAT
TTCCCCGTGCCAAACAAGNGCCTTAGTACCCTGCCCCGCCGGCCGCCGGGCNGGTCCTT
TTTTTTTTTTTTTT

Sequence 3409

CGCGGTGGCNGCCCGCCNNGCAGGTACGCGGGGGAGGAACTGCTCAGTTAGGACCCAGA
CGGAACCATGGAAGCCCCAGCGCAGCTTCTCTCCTCTGCTACTCTGGCTCCAGATAC
CACTGGAGAAATAGTGATGA

Sequence 3410

AGGTACTTTTTTTTTTTTTTTTTTGGAGACCCATCTTCTTTAAAGAAGTAAAATTTGTA
AAAAGACTAAAGAGAACTGAATGACTGGGAGAATAAGTTACTGGAGAGAAAGGATGATTT
CATTCAGGCTGCTCTTGCTGTAAAGTCTAACAAGGATGGGACCTGTTTACCGTTAAACA
CACACACAAGCGTGACGTGCACGCGCGCGCACACACACACACACACACACACACACACA
CACACACACTCAAAGAAAAACCTAGAACCAGATGGCTTCACTGAAGAATTCTACCAAA
CATTTAAAGGAGAAATTAATACCAATCCTCCTGAACTATTACAAAAGTTGAAGAGGAGGA
ACATTTCTAAATTTATTCTATGAGACCAATATTATCCTAATAACCAAGCCAGACAAATAC
ACTACAAGAAAACCTACAGAACAATAATTTTCTGCTGAATATTGATGCAAAAATCCTCA
ACAAAATCTAGCAAACTGAATTCAAACAGNNCCTGCCCCGGGCGGCCGCTCTAGAACTAA
GG

Sequence 3411

CCGCGGTGGCGGCCCGCCCGGGCAGGTACAGCTAGTAAATCTTGATGTTTCATAGGTTTCATC
AAAAAGCTCTTGATGTTTCATAGGTTATTATTTCAAGAACAGCCTGTAACTTATGATAC
AGTTGAGCATATAAATTGGGGTGTGGTATCCCCATTACCTATTTTGTGCCTAGGTAGCTG
GCCCATAGTATTTAATGATTTTTTCAGGAGGCCATTGATTATTTTCTAGCCTCCTATGT
CTATGCTTTTTTGATATTTATATTTATTTTGAGATCATTGCTCCTTTTAGTTCTTTTA
TTCTATTATAGACTGGATATCCTAAGAGTTCCCCTTGCTTTAGAGGAATTAGGAAAGAA
GGATGGCTTGATTGTTCCCTAATACA

Sequence 3412

CCGGGCAGGTACGCGGGGGCGACCGGGGTTTCGGCGCTCGGGTGAGGAGCTGGTGGCGTCG
GCAGGTTTCAGGGCGATTTCGAGCTCCAGCTAGGATGATCGAGGTTGTTTGCAACGACCGTC
TGGGGAAGAAGGTCCGCGTTAAATGCAACACGGATGATACCATCGGGGACCTTAAGAAGC
TGATTGCAGCCCAAACCTGGTACCTCGGCCGAATGTTGCAGGCTACTCTCTGCCGACCAGG
CCGCCGCCCGTCCCTCGTGACTACCCCCGCGTACCT

Sequence 3413

AGGTACTGAGAGCCTGAGGACATAGAGCTGATGCAGAGGTGGTCCTCATGGACCCTCACC
CTCCATCTATTTGTAACCTATTTTAAACGTAGAGTAAGACACCTTGAATGTTCTTAAAGG
NAATGTTATATGCTGCTTTNTNAAAAANGATGTGCANTAAAAAATACTGCNGTANT
TTCTANAACCTTTAATGATTTTTAAGTTAGACATTTTAAACCTTTTTTCAAATATTTAA
AGNCCCCATNNTTCTGTATAAACAAGCCAAACGTAACTGGGGGGGGGATNNGCTTAT
ACAGGGGTGNAAAACACCCACNANCANNTTACCCCCATTGTTCTCTAGGGGNGCTTTTT
TNCAAAGCGNAGNGAGGCTTCTTTTTTANNAAAAANANNTTNGTTGTTGTTAAGAACC
GCCCCNTNTANNNTTGGAAAAAAATCCCCAAGNAAANTTCAAATTTT

Sequence 3414

GAGCTCCACNGCGGTGGCGGNCGCCCGGGCAGGTACTAAGTTGAAGTAAAGCTCACCCCTT
TACTTCCCTACTTGAAAGTTCTACTCTGAGCCTTGACTCTTATCCACAGTGAGGCATGTN
GAAGGTTCCCTGCTGGTTTATNCTTTTTTNTTTTTTTAGACAGAGTCTCACTCTGTTGC
CCAGGCTGGAGTGCATCTGGCAGGATCTNGGTTNACTGNAANCTNCCCTCCCGGGTTNA

Table 2

TGCCATTTTCATTCTNANCCTCNCAAGTGGCTGGGACTGNAGGCACCCGCCACCANGCC
TGGCTAATTTTTGTATTTNTAGTANAGACAGGATTTNACCATGTTACCCAGNATGGTCT
NGATCTCCTGACCTCGGGATCCGCANAGGCGNGNNTTCCAAAATGCTGGGACTACACGT
GTGANCCACCACTNCCANACANTCCNCCTTCTNGGCCAGTTCTAAGAACTANGGGGATC
CCCCCGGGGCNTGGAGGGAATTCGNNNTTCNAANCTTTNTNNNNACCCNTCNAACCTCN
CAAGGGGGGGG

Sequence 3415

AGGTACCAAACTAGGTGGCTTAAACAACCGAAATTTTCTCACAGTTTAGAAGCTGGA
GGTCCAAAATCAAGGTGTTGGCTCTGACTGCTCTAGGGAATTATCCCGCTTGCTGCTTC
TAGTGTGTTGCTAGCAATCCCTGACATTTCTGGCTTGTAGATCACTAAAGTCACTTAGAT
TTCCTCTACCTGTGTGCTTCATATTATTTGCTCTCTGTGTATGTTTGTGTGTCCAAAAT
TCTTTTTGTAAGGACACCAGTCATATTGGATTAGGGCCCATGGGAATGACCTCATTTTAA
TTTTAATTTTTTTTTGAGATGGAGTCTCACTCTCTCGCCAGGCTGGAGTGCAAGTGGC
ACGATCTCAGCTCACTGCAACCTCCGCCTCTGGGTTCAAGCAATTCTTNCACCTTAACC
ACCCGAGTAGCTGGGACTACANGTGCCCGGCACCACGCCTAGCTAATTTTGGGGATTTT
AGTAAAANGTGAGGGTTGCCATGTTGTGGGCATGAACCTNCTGGACTTAAGTGATCTGCC
CTACTTNGGCCTCCCCAAAAGGCTNNGGATTACNNGGCTGGAGTTACCCTTGAACCTTTT
CTNNGCCCTNATTTTNAATTTGGATTACCCTTTGNGGAANAACCCTGTTTTNTNAAATAA
AAGGGCACAATTTCTGGAGGTTANCTTTGGGGGATTAAGGANGTTTAAANAANTTTTTT
TTTT

Sequence 3416

CCGGGCAGGTACGTGGGCCTGACTCCTCCTCGGTGCCCAGCTCAGTATTGGCAACTAGGA
GAGTAGTGAGATTGAACCTTGGCCTTGAGGAACAGCTGCCTCTAGAGTTGGATCAGACAAG
GGTGCTGAGAGCCGGGACTCACAACCAAGGAGAAATGAGCAATCCGCGGTCTTTGGAAG
AGGAGAAATATGATATGTCAGGTGCCCCGCTGGCCCTAATACTGTGTGTCACCAAAGCCC
GGGAAGGTTCCGAAGAAGACCTGGATGCTCTGGAACACATGTTTCGGCAGCTGAGATTCCG
AAAGCACCATGAAAAGAGACCCCACTGCCGAGCAATTCCAGGAAGAGCTGGAAAAATTCC
AGCAGGCCATCGATTCCCGGGAAGATCCCGTCAGTTGTGCCTTCGTGGTACCTN

Sequence 3417

GTAATACGACTCANTATACTATANGGCGAATCNGGAGCTCCACCGCGNGGCGGCCGCC
GGGCAGGTACGCGGGGTGCTTTAAGAATTAACGAAAGCAGTGTCAGACAGTAAGGATTC
AAACCATTGCCCCAAAATGAGTCTAAGTGCATTTACTCTTNTCTGGCATTGATTGGTGG
TACCT

Sequence 3418

AGGTACGGCATCATCACCATGCGAGGCCTGACGACCCCTGAGCTCCGGGTATACCCGCAC
AAAACCCCTACGTCCCTAATCGGAAGGTGAATTCTATGTGCTGGGCCTCACTGAATCAC
TTGGATTCCCACCTTCTGCTGTGCTTCGTGGGACTTGCAATACTCCAAGCTGTGCCGTG
CTGCTCCCAGCGTCGCTGTTATAGGTAGCTTCCCAGGAATGCGTCGGCCTGGCATGCTT
TGCAGTTTCCAGATCCCTGATGCCTGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
CACTCTTTCAGTACCTGCCCGGGCGGC

Sequence 3419

AGGTACTTTTTTAAATTTTGTGTTTTAGTAGAGATGGGGTTCCACCATGTTGGCCAGG
CTGGTCTCAAACCTCCTGACCTCAGGTGATCTGTCCGCCTTGGCCTCCCAAAGTGCTGGGA
TTACAGGTGTGAGCCACCACACCTGGCTGAGTTCACTTTTTGTAAGTAGTATCCACTTA
AGGCATTTGCTAACTCCTAATTGTGTGTGCTAGGGCTCAGACACAAAGTTTTCACTAGC
CAAAATTCAACTCTCACAGAATAGGAGGGACAAATATTGTAGTTTATGGTCTTCAAAG
GAGGAGAGAGCCATGGTAATACACCCTAGGCTTTCACTTGATATCTGAGAAAAATTTG
TTCTGAGAGTAAGAGCAAACCAAAATAGATCAGCCTCAACAGTTACTAGAGTGGTATGCT
AATATTCTATCTGCCGAAAGAAAATGGAATTCTTTGGAGGAAGATAACATCATCCAGA

Table 2

GCTTCTGTAATTTTCC

Sequence 3420

CCGGGCAGGTAAGTCTCGGAGGTTGGGTTCTGCTCCGAGGTCGCCCCAACCGAAATTTT
AATGCAGGTTTGGTACCTGAAATCTCTAGATATAATATTAACAAACAAACAAGT
CAGCATTCTCTACCTGGGAGCATTTTNTGNATATTGACCTTGCTTTGTTGAAAAAGTTC
TGTTAALCATTCTNGATGTTGTAATTTAGCTAACTGCTGAAGACAAAGTAGGAAGAGAGG
AAAATGGGTGCCACTTTCTAGTGGTTGAGCTAGTTCTGAAATGCTCACCAGCTCTGAAAT
GATGGCNCAGCTGCAAACTGTGCTAAATAGGATTTACCAAAGGGATGTCAACCTNACG
TTTGGGACACTGGTCCAATNCATTGANGAAAGCCTG

Sequence 3421

AGGTACAGATGGCTTCCAGGAACAGGCTCACCAATGAATGAAGGAGAATGAATACAATGA
TCATGATGAAAAAGATTTAAATTTCTTGCTGATTGGCATAAAATGTTGAAACCAACAA
AGACAACATAAACTCAGAACAGGTCCCTGTGATGAGAGCATCAAAGCCTCGCGTGGTCA
CCAGTGTGGCCCATCCAAGAAGCATGTAAGGTCAGGTCCCACATGAGAAAACCTTGACACA
GCCATGCCCTGAACTCTTCTGCTACCATATCAAAGAAATTTGATTGAAGTTTGTCTTCT
CTATAGAATATGGCATTGCAAAATCCTTGTTGTACCTGCCCG

Sequence 3422

GAGTTACCTGGTTGCCATGGTGTGTGAGGATCCTTTTACCTGCGTTGCTGAGAGTCCAG
GTTTATTCATCATGCTGGGGGAGGTCTTGATCCCTCATCCCTGAGGCCACCACAGTGAGG
CAGGGGGACGCATCTCCTCATGAGAGATGATCAGGGACCTCTTCTGGATGAGAAAGGCA
ATCGCGGATGAGCCCCAAGTTGTTAGAAACAAGAGCTTGGAGTCACAAGGAAAAACAAGC
ACCAAATGCCAAATGAAGGATTTCTNAGCAAAGCAAAANTTACTTCT

Sequence 3423

GGAGAGACGGGGTTTACCATCTTGGCCAGACTGGTCTTGAACCTCTTGACCTCGNGATCC
ACCTCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACATAACAGCAGTTCT
CACCAAGCATCTGACAGCCGAAAACTGAAAGCATTAGAGAATGCTACAGGACAGGCTTT
GGCTTAGTAGTGAGTTCTGAGTTCAAGCTGAGGCTCTGCACTTATTAGCTAGAAGTTTGC
TTAATCTCTCACAGGTCTCCTNTAAATGATTAAATGG

Sequence 3424

CCGGGCAGGTAAGTCTGGCCACGACTGCATGCCCGCGCCCGCCAGGTGATACCTCCGTCGGTG
ACCCAGGGGCTCTGCGACACAAGGAGTCTGCATGTCTAAGTGCTAGACATGCTCAGCTTT
GTGGATACGCGGACTTTGTTGCTGCTTGCACTAATCTTATGCCATGCAACATGCCAATGT
AAGTGCCTTCAGCTTGTTGGGGGAGACTGGGTAGAGAGGTTAGATGGGAGGGCACCCCTG
CCCTGAAAAGGAAAACCTGTAACCTGAATTCCAGGTACCT

Sequence 3425

CCGGGCAGGTACATCATTTCCAGAGCAGGCACTGGCAGCGAGATAGGGTTGGAGGAGAAG
TAGCAGCCGGGACTTCCGGATGGCAAACTTCTCTGTGGGTAGAGATTTCCAGCAATCTT
GAGCTTCAGGCCTGGCACAGCTCGAAATAATCCACTTCGTCGTCCTCCCGAACGGCTTGTG
GTCTCCTTCCCAAACATGCTGAGGTAGCGGCCTTCATGTAAATGTAGGTGGCCTTTTT
AAGTCAGATCATGTCAGTTCTTCTGGAAATCTGGTTATATCCATCACACTCAGGAGAC
ATCTCCTACAATTTCTTGACACCTGCAGCACTCCAGCCACACGACGGCCTCACCCGCGG
TACCT

Sequence 3426

AATCAATATTGTGGCTACTGNTGNGGAGGAAGGGACAGGNGCGGAGGCCAATGCCACTCA
GAATATCTGCATTTCTNCACAAATGGGATCAATGACCTTTGAAGACACCANCAATTTTAA
CCATCCAAATTTCCCTTCAGTGGGAAGATAANAGTTAGGGGCCATGATGACTCCTTNCT
CAANAACCATCTAGTGNTTNTGGTGATTTATGGCACAAATGGAACCTTCAACCAGACCCT
GGTACTGATAACAATGGCCTATCTCCCTTTACCTTGGAGACATCCGGTTGGAATGGGAC
AGACGTTTCTCTGGAGGGAAAGTTTCAAATGGAAGACTTATTATATAATCCGGAACAANT

Table 2

GCCACGTTNCTACCAAATTGCCTACCTGCACCTGNGACCCTTCTACAGCACAACCCGCA
GCTTCCTTGGCATNCACCGGCTAAACGNCCCCTTGAAATGTGGCCAGNCCCAAGAAGTGC
T

Sequence 3427

TTTTTTTTTAAGGNAGAGAATNGTTTGGTTTGGNGAGAATATTTTTATGGGCTAAGATTA
AGTTGTTTCACAAAAACCTGTCAAATTTAATTACCCAAAGTGGTAACATCAAAACTTCAT
TACTTGCTTATTCCAAAAGGAGTTGAATATATTTCACTTACTCAACAGCAGTTTTTCC
AGTAGATCTAGTAAAGACTGNTATAGCACCTGGGCGCGGNGGCTCACACCTGTAATCCCA
NCACTTTGGGAGGCCCGAAGCAGGCAGATCACTTGAGG

Sequence 3428

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGTGTTTTGCTTTACCTGAGTATGTGCTT
ANAAATCAGGAGAGGAAGGGGAGGAGGTGGGAGAGAGTGTGCAGGGGAGGGCTGACGCTT
AAATGCCTTGGGAAGTCTTCTGTTCCACCAGACAAATTCTTTCTACGAGTTCCTTCCAGA
GCTCAGTATCACCAGAGGATGCAGTCAGAGGGCAAGGAGACCGGAAGGGGTTCTGGNGTG
TCTGNGAAANTTGGCTGNAGGCTCTAAATGAAATTGAGCTTTGGGCCAAAAANAATTTTCN
TAAACTAAAAACAGACCAAACCCCAACCTGNTTNTGAGATCTCACTTGATGCCCTGTG
ATTCCCTATTACTTTTGGCTTGCCAGGAAGCTNGGAGCTCAA

Sequence 3429

CCGGGCAGGTACCACATATCCCGTTTGATTTCTATTTGTGTGAAATGGCCCTCCCCTGGG
TCAAGCCAACACCTGATGCAACTTCCTTCAGTGAGGCCTTCCTGAAGAGCAATCAGGACC
CAGCTCCTGATTCTGCTGAGCAGGCCTCTTACTTTTCCCTGGTGACAAAAATAACAATG
TGATTGGCAATCTGTGGCTCCAGGGACATCTGAAGTGCAAAATTGAAGAAGTTGGATAGGT
GGGATCCTATAAAAAGAGAATGGTCACTACAGGCCACAGTGACGCTGCCCGCTGGTAAT
ACACAAGATTCTGCCAAGGCTGGAAGCTGTTGCTGCCCTGGGAAACAAAGTCGGGGGAAG
CCTGAGAGCACAGGATCCTTCTGAAGTTTGACCATGCCTACCATGCTGACGAAACTGGC
TTGGAATCAGTTCTTCTGATGCTACAGTGAAGACTGTCATTACAACAGTGCCACCCAGT
CTTCCAAAAGTGGACCCAGAACTCCGTTTGGATATCAAGGTATTGCAGGGGTGCCTTTAG
CAGCCATTTCCGCATGCCCGCTTGGTTCAAGGGAAAATGGCTCTCANGTTCACAAGTTAA
AGTTATCATCAGACTACTGAAGGACTTTGAGGGGTTTCGTTTTTCTGGCTTTG

Sequence 3430

CCGGGCAGGTACGCGGGGGTGATCAAAGAGGGAGACACAGACACAGAGAGACAAAGGCAA
GGAGGACTGTCTGGGAGCCACGCGGGCGATACAGTTTCCGAGGCACGCCGCGTCCCGCCT
AGCCTGTTGAACAGTGCGGATTTGCGAGGCGCGCCCTGGAGCTGCTAGAGATCCGGAAGC
ACAGCCCCGAGGTGTGCGAAGCCACCAACATCCAGTTACCAGTGTCTTGAATTGATA
GTGGCTTCTGTTTGTCACTCTCATATAAGAACTACAGTCACTCAGGAGGAGATCGCAAGC
AGGGTAAGAGACACCAACACCATGTTCTGCACGAAGCTCAAGGATCTCAAGATCACAGGA
GAGTGTCTTTCTCCTTACTGGCACCAGGTCAAGTTTCTAACCAGTCTTCANAGGAGGC
AGCAGGAAGCTCAGAGAGCTTGCAAAGCAACCGTGCCCATCTGTCAAGACATTCTTGAGA
AGAACATACAAGAAAGTCTTTCTTAAAGAAAAACAGTCCGGAGCCGAGTCTATCTTTAC
ACTTTGGCANGAAAGTATTTNCAAAGTATTTTCCAGAGTTTGAACGGCTGAATTGTT
ACACTTCANAAAAACAATTGNNCAAAGCCCCAAAATTAAAAAGAAAAG

Sequence 3431

ACACCAATTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTTAGGTGAGCCCAAGGCTG
CCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACAC
TGGTGTGTCTCATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATA
GCAGCCCCGTCAAGGCGGAGTGGAGACCACACACCTCCAAACAAAGCAACAACAAGT
ACCTGCCCGGGCGCGNCCGGGCAGGTACGTGGGCTGTCTGCAACCAGTGTGCCGTG
CCAGCCAAGGACAGGGTGGACTGCGGCTACCCCATGTACCCCCAAGGAGTGCAACAAC
CGGGGCTGCTGCTTTGACTCCAGGATCCCTGGAGTGCTTGGTGTTCAGCCCCCTGCAG

Table 2

GAAGCAGAATNCACCTTCTGAGGCACCTTCCAGCTGCCCC

Sequence 3432

CCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCCCTAGAGCCACGCACCA
GCCTGCACATTGCCCTCTCCATACGGCAGCCCTTTATTTGGAACTTCTAAATCACTTTG
CTGTGTGTGTTTACACGGGTGGGTTTTGCTTTACTTGCCCTGAGAGCACACGGGAGTGCA
GCACACACCCCAACCCACATCAACTGCCATTAAAGAAAAAGAAATTTAGCCCAGAAATTC
ATGTCCAGCAAAATTAAGCATCATAAGTGAAGGAGAAATAAGATCCTTTTCAGACAAGCA
AGTGCTGAGGGAAATTTGGTATCACCAGATCTACCTTACGAGAGCTCCTGAAGGAAGCACT
AAATATGGAAAGAAAAGATCATCACCTGCTACTACAAAAACACACTGAAGTACCT

Sequence 3433

AGGTACCAAAAAGACTCTCAAAAACCAATACTCCACGGGCAAGGGAATAGCCAAGTTTG
TTGCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGTCTCAATCAAAATGGGTTCAGTT
AACACCATCAGTTTCTTCTCTTCCAGATCCAGTTGAATTCCTGTGGGCATTCTGGATA
GCTGGAACAAGCTTAGACATGAACCCAGACAACCTTGCAAATTTCAAGGAATTTCTCACTG
GTGTATTTTCATAGGATGCTCAGTGAAGTAGCATAAGGAACCTCAGTGGACCATGGGTTT
CGGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCCAGTAGATCCTAAGGCCTTCTCCT
TGTCTCTTGTCCAGGGACATCCCAGGGAAGGCGAACTTGCCCAGGCAGATGCGATAGACA
GCGCTCAGAGGAATCCGCTGCAGCTGCACACAACCTCAGCATGATGAAGTNGTATTTGCAG
ATCAAGAGAGCTTGTCTGTGACCAAGTAGAATTCTCTCCTTCTCA

Sequence 3434

AGGGGGACTTGGCACTTCACAAGGCTGGCTCCTTCTCCATAGGCTCACCAGCAGTTCTGC
TGTCTTCTGAGCAAAGGGCTGTTCCACATCCACTGTTAGGGAGGCCAGGGCAGAAACGG
TCTCTGTCTCCTTGTCAACTGAGCACCAGCCAGAGCACAGCCCCTTGGCACAGCCACCA
TCCTTACTGACTTCCAATACTTGCTTTGAATTTCAATGATCTTCTGTAAAGAAATAACAG
CATTTCATATTCGGGCTTTGGTGGAGAATATCTTCTGCAAGTGGCTCCAGCTCATTTCTTA
GAAGGGCATTACACAGGGCTTCTGATGCATCACAGATGGCTGTGAGATCATGTCCTCCT
TCTAGAGCCAACACCACACGTCCATCAGCCAATGTCATCAATTGCTTCGTCAAATGACCA
AAACATTTTGGCCGTCACTTTGTACCTGCCCGGGCGGCCCGCTCTAGAAGTAGTGGGATC
CCCCGGGCTGCAG

Sequence 3435

CCGGGCAGGTACCAAATGTGATTTTAGCTCCATTAGGGGCCAGGGGTAACCAGCAGTGC
CACCAAACCTGTACGACAGGTAAAGAACTTCTACCATCCCAAAGTGCAGGTTACAGGAAA
GGGGTCACTCCTTAATGACGACCTGGGCCTGCTGCATAAGGCCCATCTTATGCAGCATGT
GGGCTGTCCCATCTTCCCCACTCTCAGTGAATATGTAAGTGTGTCAGGGTGAGTTGGTGC
AGTCTTTTGTCTTATCACGTGCCTCCATCTCCTGGAGGCAGGGTGCCCAAGGAGGGCAGG
GAGGGGTTCTTGTGCTCCTTAAGGGATAAGCAGTTCATAAACAACTATGGGCCTCTGTT
TATTATGAGAGTTAGTCTGCAAATTAGGGCCTGGCAATTAGAATCGGTCTGCATCAATGA
GCTCATACTCTGTTCTGGGGAACAATGTAGAATAAACATCTGACCAAGTAAAGACCCAG
AGATGCCACTAGGTGGCCCTAGGTGGAAGCCCCAACATGTTCCAGGGAGTCTGTCCACT
AATTTTGCAGGANAGAAGGGGTGAGATTTGTTAACTTTGCTCTTCAGTTCTGGAGATAAA
GTGCTTACTTCTACGCAGGGGTAATCTAGAAACAAATGTGAGTGAAGCCCCTAAAAGTG
GATCCTTAAATAGGGTGCTAAAGACTTAAAAAGAATGATTT

Sequence 3436

AGGTACAGCCTGGGCTCCAGAGTCAGCCTCTACACTCACCAGACTATGGCGGATTCATCA
TTATACTGGGAAGCAACAGCCTGGGCCCCAGAGTTGGTCATCCGTCCATGCACAGATGAG
GAGAGGTCTCAGGAAGCTTTGGCGTGGTCTGGGACCTTACCTCTTGTGTAATGAGTTGT
TTGGTGTCCCCGCGTACCTGCCCC

Sequence 3437

GAGACGGAGTCTCGCTGTGTGCGCCAGGCTGGAATGCAGNGGCGAGATCTCGGATCTTGG

Table 2

CTCACTGCAACCTCTGCCTCCCGGGTTCAAGCGATTCTCCTGCCTCANCCTCCCGAGTAG
CTGGGACTACAGGCATGTGCCACCAGGCCCGGCTAATTTTTGNATTTTTAGNAGAAACG
GGGTTTCACCATGTTAGCCAGGATGGTCTTGATCTCCTGACCTCGTGATCCACCCACCTN
GGCCTCCCAAAGTGCTGGGGCTACAGGTGTGAGCCACTGAACCTGGCCAGTTGAAACTAT
TTTTAAGAAAGAAAAAGCAAGTCCATAACTCCANAACATGGAGACAAGATGCTGCTTAGT
ATACTGCATTAAAAAAGTTAAAAACCTTCTTATATTTAAAAATATTTTTAAATTTA
TTTTAAATTATNCACTGNGGAAATTTACCTTTTTTGTGNTGGGCCTTTTCTNTGAAATTT
TTAACCANANGGCATAGCATTNATTATAACCTNCCCATTACNNGAAACAGTTTAATTTA
CCTCCCCCA

Sequence 3438

AGGTACTCTACGTTGTTACCACAGGCGATGACAGCTCCATGTGTGTTATTGCCCTGAAG
ACCTTCCAGAGACAAAATGTGGAGGTGGAAGACAGTGATACTGATGACCCTGACCCTGTG
TGGATCTAGGCTAACATGTGTTTTGTGTCTTAGTTTTCAACAAAAAGTTTAAAAAGTT
NAAATACTAAGTTTATAAAGTTAAAAAGTTACCCCGCTGTACCTGCCCC

Sequence 3439

AGGTACTGACTTGAGACAAGCTCTAACTTTTTAAACATTAGTTCACACGCGTTTATTCAC
TTCATTATGTTTCATTAAGCTTTTCATCTTAGAATACCAGTTTCACCATTTGGGAGCTGTT
GTAATATGTGCAACCTTATAAATAGTGTTCCTTCCAACTGTGTCCAGGACTGCAATCTT
TAATGTGAAATGTCTTTTATAATCTCTTCTTTAAAAAAAACCAATAAAATAAAATGCC
ACATGCAAACTCAAGTGTGTCAACAGATTTTACTTCATTGGCGCTCGCCAGCCCGCCAGG
CTGGCAATAAAGTGCTCCAGCCACCTCTGGCAGGTCTCCTCACCCACAGCCCCGACTG
GTCACCACTATAGTCGATGAGGGGCCAGGACAATCGCTTGGGATAAACTCCCATCTCAG
CACTGAATAAAAAACATTCTGTGTCACAATATCCTAGTTTTGGGGCTTTAAAAACGTCTA
GGTGTTCCTCACATGCCTTGTCTATAATAAGAAAAGCAAGCAGTAGTTGGGTATTGGTA
GCTTTTGAACAAAAGCCCTACTGGTCTTCTAATTTTGGATAT

Sequence 3440

CCGCGGTGGCGGCCGAGGTACTTAGCAGCAGTCTTCCTGTCTGGAAAGGAAACATTGCTC
AGATTGGAGATACTGGCCATTTATAGACTTCAAAGCAACTTAGGCCACTGAACTGTCAG
GCGGGAACACAGGATGTCTTCCATTTGGAAGCCCCCTTGCTTCTAAGAAGTTCAGAGAC
CATCCCAGGCCCCAGAGTTATAAGGATTCATCTGGGCACTGAAGACATTTGGGACCTCA
GTGAAGTTTCTCCGAGGCCAGATGGTCACATTGATTTTCTGGAATCATTTTGAATAAAAA
TGAGCGAGGTGGTGAACACAATGCAAGGCTCTCCACGTACCTGCCCC

Sequence 3441

AGGTACCACCTGCTGTATCCTTCCCCACCTCATCACCCCCAAAGCCATTTAGTGCCAAAT
GCTACAGTAAAAACCAATGCATTTACATAAAATAATGCCTAACTGCATATTTACATTTT
TTAGAAAAAAATCCCATTAAGCTCTTCTAGAAAAGTTATGGCAGGAAAGGTAAGGACCAA
GGCTATGAGCAAGCCATATGTGGAAACTTAAAGTAGATGAGCACTGAGTTTCTCCATAGT
TGGAAAAAAGCCACACTGAGCCCACTCTTCTGTGAGGCAAGATGAGACCTTCTTTTAT
ACCCTGTTGAGAATCTCANGTGGACAACGTGACTGCATGAGTGTGAAAGGCAAGCTTGC
CGGCTTAGTTATCACCTTGCAAGAGGTAGCTATGCACTACACAGCCACACTGCCCAAAGCG
CGCTACTAAGAACACTGGTCTTACAAAANGGCTCCTTGTNAGAAAACTTTTAGGAATCACA
AGTATTTAGAAAATCTATCCACTATCATTTTCTTCTAGAGATCCCGCAATGCACATTA
TCACATGGGAATTTTCAGAAAGTTTNTTTTATTAAGAAAATGCTTTAACTTTTTTTT
AACCTAAAAGTTTTCATATCAACCCTGGAACCTTTGGGAATCTTCTTTACTTTTTTTTA
AGGNGGACCNCATTTTNTATTAGAAACAATNTTTTNTGGAANAAAANGCCTCCTTNTATTG
GGCTTTTGAANAAAAATNTTTTGCCGGAACCAAAAANNATTNATTTAATTTTTTTT
ACTTTAAAAAA

Sequence 3442

CCGCGGTGGCGGCCGAGGTACGCGGGGACACCAATCAACCATAGGTCCAAGAACAATTG

Table 2

TCTCTGGACGGCAGCTATGCGACTACCGNGCTGTGTGCTGT

Sequence 3443

CCGGGCAGGTAATACTCGATTGTCAACGTCAAGGAGTCGCAGGTGCGCTGGTTCTAGGAA
TAATGGGGGAAGTATGTAGGAGTTGAAGATTAGTCCGCCGTAGTCGGTGTACTTTTTTTT
TTTTTTTTTTTTTTGGNCAGTGTGGTAGGAGTTTGTACAAAAGTGANTCCATGGGCCT
GTGGAATGTGAGGGGAGTGGGTCCNCTCCACCAGATGCCAGCACCGGGGCCAGTGCAGCT
CANAGCCCTGTGGTGGACTACAGGGCCTGCACAGACGGTCACTCAAAGAAAGATGTCCCT
GTGCCCTACTCCTTGCGCATGGCAAAGGGCTTCTCCACCCTNGATCTTGCCGCAAGTCTG
CGAATGATCACATTTCTTTAGG

Sequence 3444

CCGGGCAGGTACACCAGAAGCTCATTCAAGAGCTGGGTGAGCATTCAAGTTCACAAGGAAG
CATTTATCATCCCCAACTTTGATTCCCGAAGACTGAAGAGATATCCAAGACTCTCAAGC
TGTTTCTGTGCTTCCTGTGCAATCTCCTCCGTTTTCTTAATTTCTCCTCCAGGTCA
GTCAATTTCTGGATTAGCTTCTCAGATTCTTCCAGCCGGTCTTTAGCTCTGGAGATTTT
ATTGCCTCTGCTTTGGTCAGCTGCTCCCGGAGTTTCTCAACTTCTTCCCGGAGATCCCGG
ATAATTCGGGCATTAGGGTCTCATTACCCACAGCGTGGTTTACAATGTGCTCGGCTCGA
TCTGCATACCGCAGAGTTGAGAGGGTTTCATCATAAGTTATCAGCTGCAGGACTCACAAG
TAGCCACCATGGCGGTCTTGCTGTTACCCCCGAAGCTGTCTTTGAGCAGCCCAAGTGAGA
ACTGAGTCACCGATATGGGAACAAAATTTATTCTT

Sequence 3445

AGGTAATTTTTTTTTTTTTTTTTTTTTTTGGAGCACAAGATAGGAAGTGCAGAGATACCT
GCAGGGCAAGANAATTTGGTGCCACCTGAGACATGATGACACGGCCCCCTCCTGTCCCTC
CGCCAACACGAACACCAACTTGTTCACATCCCCAGTGACTGTGCCATGCGGAGAAGGTAG
AGGCAAAAGCTGAGCACTAGAACCAAAAAGCTGAGTTTGACTGGACCACGTTCTCTCTG
CATCCCAACAACAACCTCACACATAATAGCTTNTTGACACCAGGTGAAGTCTCTAACCTTA
ATATCCTCATTTGCGAAATGGANAAATTGACACCACCTGAGCAGGGATGGCATAAGGAGC
AGAGATAATGAGGAATTCCTGCCACAAGGTAGGAGATATAAATGGGAGGGTGTCTCTGT
TTTGATGTAANAGTNTTANAACCTTAAGGAAAAATCAATANTCAAAAGATAAAACNGAAA
ACTCTNCTATATATTTTGAAAGTTAANAACATACCTNTAAATNACCCATGAGTCAAAA
AAAGAAATTTTATTTCAACCNGGAAACTTTTCGAGTTCTATGANAATATGNTTATATA
ACATGCCNGATTTTGGCTGAACCAAGTGGGANGNAAATCNANACTTAAGTGAANGGANGG
CCAAATTTTTTNTGCNCTGNAACANTCNCTTAACTTGAAAAAGAAAAAAG

Sequence 3446

CCGCGGTGGCGGCCGCGCCGGGCAGGTAATAATTTGCATATCTCACAGGTTTTATTATAT
TGCAATTTCTATTTCCATCTTTTTTCCACAATTTTAAATTTTCATTTTAATTTTCTTTT
TGAGATGGGTTTTACTCTGTACCCAGGCTGGAGTGTAGTAGCACAATCTTGGCTCACTG
CAACCTCTGCCTTCCAGGCTAAAGCGATCTTTTTATTTACGCCTCCCGAGTGGCTAAGAC
TATAGGTGTGCACCACCACATTTAGCTTTTTTAATATGTATTTTTGTAGAGATGGGGTT
TGCCATGTTGCCAGGCTAGTCTCAAACCTCTGACCTCAGGGGATCCACCTGCCTCAGCC
TCCCAAAGTGCTGGGATTGCAAGCTGTGAGCCACCACCCCTGGCCGGCCATCTTAATTAC
TTCAATTTACACCGTGACTGTTCAAGAGTATGTTTGGTTAAATCTTTGNAAAATTTATA
GTTTCTGAAATTTCTCTTGATTTGGATTTGTAGTTTTATTCTCCTGCGATCTAAGTANG
GTAGTGATATAATTGNGATTTATGGGGGTACCTCGNCGCTCTAAACTAGTG

Sequence 3447

GGAGCTCCACCGNGGTGGCGGCCGAGGTACCCTCCTTCTGTTGTGCTACCCACGAGGAAA
TGTGCTCTTCGCTAGTGCAGAAAACATTTAGAATTATCCAGTAATGAGCCCAGCAGGATG
GATGAAGCTTGGGGAACCTCTAAGAGCTTATTGAATTACAGAGAAATTCAGTTGTCAA
NCATTATATAGAGGAAAAGTTATAGGGTGTACTTATCAGCAGGNAGCCTGCATTTGGAG
AGAATTTTCTTTTCTCTTAATAAAACATGGACCAATTGCAGAAAGGNCTTAAAAANGNAA

Table 2

AAANTAAAGTACCTGCCCGGGCGGCCGCTCTAGAACTAAGTGGATCCCC

Sequence 3448

TAGGGAGTCGACCCCGCGTCCGTGCTCTAATGCCTTCCATTTGGCTTTTCTCATCATAAT
ATCCCTCATCTCCACACGTTAGGGAACCACTGAGGGAATTCTGGCAGCTGATAAATACGT
TTATTCCAATTATACATTCTGGAAGTGTGGAAATGACCACAGGATAGGTTTGGAGACCCA
CTGTTCCAAGTGTAAAGCCATACTGGAAGTAAAGTCCACTGATCACCTTACCTCCAAAAG
CCCTTACCCTGATTGGAGGCCACAGTGATGTTTTCTGTGTTCTGGAATCAGTATGAATTC
AGAGCCAGTGTCAGAAGTCTCAGAATGTCTGATTGTTTCCCTTTTTCAATGCACAGT
TACCTTGGTAAATGCTGGAGGTCCCTTTGGGTGAGGATTGGACAAAAATTAACAGTAT
AAATTTTCAGTATTGTACCCAGGTCCCTTCTTAAGGACTTCCCTTTTATTAGAGGTCTG
CAAGCTGGCTCAAGTCTGGAATTTGATTGAAAGGCCATGATCTCTGGTATCCTTTGAGTT
AGACTTTTGTCACTTGAAGTGGGAGTTTCTGCTTACACAGATCAAGTAAGAATGCCAG
TAGGGTTCTCATCTGTTTCACTTTTAGCAACATTATGGTTTATTAGCTAGCATCATTAGG
TCTGAATGAGTCAAGATATTTAACTGGTCCCTTGCCTCTACTGNTTATTTTGCTAACTA
TCCCCACCTTGCCTTAAGGGGGTGAGTACTGGCCCCCTGGGCCCTGCTCCCCAAAAATAA
AAATTACNTTCCCTTAGATGTAAGCTTTTNCNTCCCCCCCC

Sequence 3449

ACCGCCANATTGGGTCTTTACAAAAGGGGTGTTANCATTTCCGGCCGGGGCAAGCNTNG
GGGAAACCGCTTGNGGCNCGCCGCCAGGGGCCNCTTGTAGGGGACTTCNGCCGNGNC
CCCCAAGATTGGGCCGGCCGGGGCCCGCTTAAGNACTTAGGTTCTTAGGAAGAAAAA
AAAACCTTCCCCACCACCTTNCCTTGGAAACCTGGAAAAACCATTAATAAANTGGAA
AANGCCAANTTNGGTTGGGTTGGTTAAACTTTGGGTTTAAATTTGGCAAGCTTTTATAAA
TNGGGTTTACCCAAAANTTAAAGCCAATTTAGNCANTCCANCAAAAATTTTCAACAAA
ATTAAGGCAATTTTTTTTTTCACTGGNCATTTTNTAANTTTGGGGGGGNTTTGG
GCCCAAAACCTTCAATTAAANTGGNNAATNCNTTANNTNCAATNGGGCCNTGGGGAA
TNCCCC

Sequence 3450

GTGGTCGCGGCCGAGGTAAGTGGAGGAGCTGAAAGAAAAACACCCAAGGCTGGGCGTGGTG
GCACACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCACCTGAGGTCCG
GAGTTGGAGACCAGCTTGACCAACATGGAGAAACCCCGTCTCTACTAAAAATACAAAATT
GGCCGGGCGTGGTGGCGCATGCCTGTAATCCCAGCTACTCGGGAGGGTGAGGCAGGATAA
TTGCTTGACCCTGGGAGGTGGAGGTTATGGTGAGCTAAGATCGTGCCATTGCACTCCAGC
CTTGGCAACAAGAGCGAACTCCGTCTCAAAAAAAAAAATAAACAACACCCAGATAGAT
ACACATACTCCTTACAGACTTACAGACCTAAGCTGCATTTATGGGGTAGTGATGAGGTTTA
AGAACATATACCATATTTTGTAAATTTCCCAGATGATTCTTTGGTTTGAACCGACTTT
TTTATAAAA

Sequence 3451

GATACCGGCGTTTTCCCCCTGGAAGCTTCTTCTGTCCTTCTTCTGGTTNCGACCCCT
TGGCGCTTCCCCGGCATACCTTGGTCCGGNTTTTTTCTTTTTCGGGAACCCCCCCCC
TTTTTTTTTAGCTCNCCCCCCCCCGTNTCTACTTTTTTGGTGTNCCCCCCCCCCTTT
TTNNNCCCCCCCCCTTCCCCCAATTTTTTINCCCCCCCCCCCCCCCCCTTTTTTTTTTCC
CCNTTNTTTTTTTTTTGANNCCCCCCCCCCCCCCCC

Sequence 3452

NTATAGGGAGTCGACCCACGCGTCCGCATTATTGGGTAAATACCCAAAGGAATATTAATT
GTTCTACCATAAAGACACATGCATGCATATGTTTATTGAAGCACTATCCCGCAATAGTAA
AGACATGGAATCAGCCTAAATGCCCATCAACAGTAACTGGATTAAGTAAATGTGATGTA
TATACACCATGAATTACTACACAGCCTTAAAGGGAACAAGGATCATGTCTTTGCAGCA
ACATGGATGGAGCTGGAGGCCATTATCCTAAGTGAACGAACACTAACNCCACATTTTGGG
GAGTGGGAGCTAAACATTGANTTTNCNTGANCNCAAGGAAAAGANCAGGACNCNCTGGAG

Table 2

TCTACTTAAGGGTGGAGGATGAAAGGAAGGAAAGGATCAAAACNCTACCTATTGGNTNCT
TTGCTTATTACCTGGGTGACAAAATAATCTNTACCCCAAACCCCGTGA CTTACCATTTA
CTTNTGTAAACAACTGTNTTTTGTNCCCTTGGAACCTAAAANTAAAAAGGTAAAAATT
AAAAAGTTAAAAAAGGGGCGGGCCCGTTTNACTTAGTTTAAANANAA
AAAACTTNCAANACTTNCCCTTGACCCTNGNAACNTTAAATGGAATGCCATTTGGTG
GTGGGTAACCNCTGGGTATTGTCNNCTTTATTAAANGGTTNCCAATTAAAGCCAATTCC
TTNCCAAATTTTCCAAANAAAGGCATTTTTTTCACCGGGNTTCTANATNGGGGGGTNGGC
CCAACCTCAATNAATTGGTTTTTTTAACTCCTCNGGCCTCCCCNGGGTNCCCGNGCTTC
GAATTTAAATTCCTTTTTCCCCN

Sequence 3453

CTATAGGGAGTCGACTCAAGCTGACAAAGGGTAAACAAAAATAAGAAAGCCAGAACTCA
CTGATACGTGACACAATATGCAGCAGTGAACATACATGTAATCAATATCTCAAAAGGA
AGGGTGGGGGAATTATAGGTGAATAAGAATGGTACACTCATTCCCTGAGGGCACCGAGGA
GGGAGGATAGCTTTAGATTCTAAGGGAGGGTATTATCCATTCATGAAGGTCCAACCCCC
ATGAACAAACACCTCCAGTGAGCCCCACCTGCAACATTGGGGATAAAATTTTAACTGA
GATTGGAAGGGGCAAGCATTCAAACCATAGCAAGAGTTAAATTTCTTTTTAAAAA
ATCACTGATATGATTCCATTTCCGCATAGATAAAAGCTAGTATTTAGCCTACCATTTGAG
TGATTTATAGCTACCAAAAGGGCACTCTGTCTCGGGAATACAGCTTGCCTAGAGGTA
TCCTATTGCAGTCAAAGA

Sequence 3454

GTGGTTCGCGGCCGAGGTACCTGGGCCACCAACACAGCTGGACTCAATATATGGGGAAGG
TAAGTGTCCTCAGTTTTTTGGAGAGAGATTACCCTCTTCCAAAAGAGTGCTTGATTCTGGT
AGTCCAAGCCGTCTCCGTCTGGTGGCACCCCAATTTCCCTGCCTAGACCCACCTCCTTT
CCTCAGCCCCCTTCGCCTGCCGCCCGCGTACCTGCCCGGGCGGCCGNTCGAAGC

Sequence 3455

TCATTTACTTAAATTATTTTGGTTGTTTTCCCTTTTTTCTTNTTTTCCACCCCTC
CCCCTCCATGTGAAGATTTGGGTGCTTAACATATCATTTTTTCCCTGCCGGAATTTAG
CATTGATATGAACCATGGACAAGTATATTCTGCTGCCACAAAGACTGTAAAGTGCTTCAT
TTCAACAGCTGAGGAAGGTGTCTTGCTGCAGGTAAGTAAATGAAGAAGTGGTCAACCACAG
AGTCTTCAAGAAATAAGAAATCTGTACCATCTGAAAGTAGTTCTTGTGGTGCCTTCAT
TTAAAAAGCACTCTTTAAATAAAAAGGGAAATGTTTTCTGATAAAACAAACATTTAAGTT
GAGGTTCTTGATATAAAACAATTACAAATGAGTGTTGTTTGTAAACAGTAACCATCAA
ATTGGCTAGAGAGATAAAATGTATCATGGTTTTTAAATTAAGGTTTTGTGAGGTAGACAG
GAATTACCAATTTCTATTTTTAAATATTAAANGGCCNCNAAAAANCCCCCCCCCTTTTCC
CCCCCNCCCAAAGGNTCCNNTTCCCCCCTTTTCCCCCCCCCCCCCTTCCCCCCC
CTTTNNNTNCCCCTTCCATTTNCCCCCNTNNNGCCCNAAAAANNCCCCNNNNGGGG
CCNCCTNNANACCCTGAAAAAAA

Sequence 3456

GTGGTTCGCGGCCGAGGTACCTAGCAGAACACANATTTAAACATTTCCATATTTAGATGAA
GAAAACAGGGCAAACTAACTAATTTTCTCAAATTAATTAAGTGGCAAAATAAAGGTGGT
GGGAACCGTTAAGGTACCTGCCCGGGCGGCTGCTCGAGCCCTATAGTGAGTCGTATTAN

Sequence 3457

GTGCTCAAGCTAAAGGGGAATCTCCGTGGACAAGGACACTGGTACTTTGGGCTTTAGCC
ATATTCATTTTTTTGAAACCACCAATTATATAACTTAAATAATTTATATCATTGAAGT
TGTGATTCCTTTCAAATCACACTGAAGGTTTCAAGCGTACTCCTTTTATGTTTGGTTAAT
ACTGTTGTATGGATGAAAAACCTAAAAGGGATGATAGTGTTTATTTTTAATTTATTTGG
TACTGTAAACACCTTTTCAAGATGAGTAAATGCTGCATATGCATTTTGGAGTTGTTAAT
ATGTGAAAGATATTACAGATTACAGCAAGAAAGGAAATTTGTGCTTCTTGTGAATGTT
AAATTTTACTTTGCATTTTATAAAGAGTCAAATTAATAAACTGAGCCATTTGAAGTGG

Table 2

CAATAAAATCCAAACCAATTAGTGGTCTCAATTTCAAAGGAANAAAAANNAANNAAC
CCCTTAATATATCAAAGTNNGGGNTCCCTGGNAANNAAGNAAAAAGGGGGGGGGGCCCN
NNTAAAAAANTTTNGTCTTNAAAAAAAAAAACCTTCCAANANCTTCCCCGNNGGAA
CCCTTGNAACCTTTAAAAANNAAGGCCCCCNNTGGGGGGGGGNGGAAACTNNGGTTNN
TNGGNGNCTTTANAAGGGGNGAACAAAAANANGGGCCNGNGCCCCGNNCCNAATNTTNC
CCAANAAAAAGCCNTTTTTTTTTTNNNGGNCNNNNANGGNGGGCGNTNGTCCCCCT
CCCCNNNTTTTTTTTTTTTNGNGGGGNCCCCCCCCC

Sequence 3458

GGGAGTCGACCCCGCGTCCGCAAGCGTGAGCTTCCGCGCCTGGCCTGTGACCTCATTTTA
ACTTGGTTACCTCTGTAAAGAGCTTGTCTCAGATAAGGTCACATCTGAGATACTGGGGT
CAGGATTCTACATGTGAGTCTGGGAAGACACTGTTACCCCTTAACATCCCTGTTCTCCA
GGGTCTTCAGATATAGTTTTGGGTGCAAGGAAAGGCAGCTAAGTACCAAGTTAATTATGA
GAAGGACCAGTTTTGAGGATTTGAGGAAAAAANAAAAAN

Sequence 3459

TAGGGAGTCGACCCCGCGTCCGGAGAGGTCCTTGTTCTGCTTTAGACTTTGGCTTAAGAG
AATGTGTGGCTGGTTTTATTTCTATCCAGACCACCCAACTTTCTTCATATCAGGAAGA
AGCTTTTTGCTTTCTTATTATTGATGTTTTCACTTGAGTAGTACTTTTAATTTCTTTCT
AGAACAGTTTTGTGCACAACCTCAGGTGTTTGGTGCAAGAGGCTTACCTTTCAGCCTATC
TCAACTTTTGAAGTTCCCTCTCTCAGTAAGCCATAACATTTGTAACATTTTATTGAAAGTG
AGAGACATGGCCAGGCATGGTGGCTCATGCTTGTAATTCAGCACTTTGGGAGGCTGAAG
CAGGCGGATTATGAGGTGAGGAGTTGAGACCAGCCTGACCAATATGGTGGAACCCATC
TCTACTAAAAATAAATTANCTGGGCGTGGTGGTGCGCAACTGTAATCCAGCTACTCAGG
AGGCTGAGACAGGAGAATCGCTTGAACCCGGGAGGCAAAGGTTGCAGTGAGCAGAAATT
GCGCCACTGTACTCCAACCTGGGGGACAGAGTGAGACTCCATCTCAANAAAAANNN
NNNAAGTGCG

Sequence 3460

GAGCTTTATCAGCAGTNTGAAAACAGACTACTATGGTAAATTGGTACCAGCAGTGGGGTA
CTGCTGAAAAGATACCCGAAAATGTGGAAGCAACTTTGGAAGTGGGTAGCAGGCAGGGG
TGCAACAGTTTGGAGGGCTCAGAAAAAGACAGGAAAATGTGGGAAAGTTTGGAACTCCCC
ATAGACTTGTTGAATGACTTTATCCAAAATGCTGATAGTGATATGGACCATAAAGTCCAG
GCTGAGATGGTCTCAGATGGAAATGAGGAAGTTGTTGGGAACAGTAGCAAAAGGTGACTC
TTGTTATGTTTTAGCAAAAGACACTAAGCATTTTTCCCTGCCCTAGAGATTTGTGGAAT
TTGAAGTTGGAGAGATGATTTAGGGTATCTGGTGAAATAAATTTCTAAGCAGCAAAGCAT
TCAAGAGGTGACTTGGGTGCTGTAAAGGCATTATTTTTATAACAGAAGCAGCATAAAG
CTTTGGAAGTTTGCAGCCTGACAATGTGATAGAAAAGAAAATCCCAGCAGGGCATGGTG
GCTCATGCCTGTAATCCACACTTTGGGAAGCTGAAGGTGAGCCCATCACCTGANGGCCAN
GAGTTCAAGAACAGCCCTGGCCACATGGGAAAAACCCCGTCTNTTCAAAAAAAAAAA
AA

Sequence 3461

AGGTACCCGCACCACAGTCTCCGAGGTACGCTAGAAGTCTTGCTCTTGGGTGCCTTTGTG
GTTGAAGCTTGTCTCCCACTTAGCTTTAAAGAAGATGTAATCACCATGATCAGCAGCCG
ATTGCTATCGAGGTTCTTAAGCAAGTCCACAATCTTGCCCTTCGTTTGCTTTGCCACATA
ATCATTGATCTGCTTCATGGCCCTGCAGAGTCCCTAAAGTTGGTAGGGAAAGTGCTGC
CAGGTACCTGCCCGGGCGCCGAGGTACGCGGGTCTCGCTCTCTGTGTTCCAATCGCCC
GGTGCGGTGGTGCAGGGTCTCGGGCTAGTCATGGCGTCCCGTCTTCGGAAGACTGCAGA
CTAAACCAGTCATTACTTTGTTTCAAGAAGCGTTCTGCTAATCTAACACTTTTTATTTT
CTAGAATCACTGGGCGTTATCTTCTTGAAGTTGGGCATTTTGGGGCAAAGGTGAGCC
TGGAGAATTACTTTCTCTTTAAATGAGAAGGCCACCAATGCCCCCTTTCGTGCTCATT
TGCTACTGGACCTGCCCGGGCGGNCNTNTANAACTAGTGGG

Table 2

Sequence 3462

TTTTGCTCACGCCACCAATCAAGTCCGAGGCGTTCTGGGTTTGCCANATATTTTGCCG
CAGTACTGGTTGCACCTTTGGTTGAGAGCGCAAACACAGAGGAACCGCTCGGCTGACGAC
TGGTAAAGGCGTCGGCATGGATAGAGACAAACAGGTCAGCACGCTGTTTCTGGGCTTTTG
CTACNCGCACTTGCAATGGAATGAANATGNCTTCATTGCGCGTCATGTACACCTTNATAT
TGCCCTCTTTNTGATCAGAGAGCGCAAACGGCGAGCTATTTGCAATACCACATCTTTT
CGCGCGTTNTGTATTTCCCCACCGCACCGGAGTCTTCGCCACCGTGCGC

Sequence 3463

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGATGGGGTTTTGGT
GTGGATGTCCTTTCTGTTTGTAGTTTTCTTCTAACAGTCAGGATCCTCANCTGCACGT
CTGTTGGAGTTTGCTGGAGGTCCACTCCANACCCTGTTTGCCTGGGTATCACCAGTGGAG
GCTGCAGAAGAGCGGATATTGGTGAACAGCAAATGTTGCTGCCTGATCATTCTGTGGAA
GTTTTGTCTCAGAGGAGTACCGCGGCATGCCCTATCTCAACAAGCTCAACTACCGTCGGA
CGGACCATGAGGATCCACGGGTAAAAAGACAGCTTCCAGATTTAGCCATGGCCAANGC
CAAGGCCCAA

Sequence 3464

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTNGGTTTTTTTTTTTTTTTTTTTT
TTTTTTTTNANANAGGNAGGAAGNTTATTAATTATNTTATTTTGAAATATATATTATG
TATTTAATTTGATTTAATCACATTACATAGGTTGAATTTGGGGGTTGCTTTTAAAGNGTT
GANANTTTAGTGTTTATTTTGTAAATCCAACAACCTTTNTCCAAAAATGCAAAAAA

Sequence 3465

CCGGGCAGGTACGTCATACACATAATCTGTAGCAGTGGCGGTTTAAAGTGAATCTCCTTTG
TGCTTAAACAACGTATCTTTAGTTAGCTGGTGGGAGTGGGCTTAAGTAGGAGCCTGCATA
TCTAGCCACATTCAGTGCTTCAGAGGAGCGCCTTTCTTCTTGAGCACAGTGTATAGA
TAAGAGAGCAGGTTGTGCTCAGAGCATGGGAACATAATGGCGATAAGAAGGCTTTCCTCC
TCAGAGTCCTCTTGTTGGCTTCCACAACCTTACTGTCCCATGTTTTATGGCCAGTTTATG
CAGGCACCCTGTNAGCCTTTTTCCCAACATGCCCCCTTTTTCTTTTTTAAAAA

Sequence 3466

CCGGGCAGGTACAAAAATTAGCCGGGCGTGATGGCAGGCGCCGGTAATCCCAGCTACTCA
GGATGCTGAGGCAGGAGATTGTGTTGAACCTGGGAGGCGGAGGTTGCAGTGAGCCGAGAT
TGCACCATTCAGCTCCAGTCTGGGCGACAAGAGTGAGACTTTGTCTCAAAAAAAAAAAAA
AAAAAAAAAAAAANGGACTCTGCGTTGTTACCACTGCTTCCCGCGTACTCTGCGTTGATNN
NNAANNAAAAAGANNNTAANGNANGNAANANNNAANAANANAANAAAAANNNTTAN
GAAACNTCTAGNNNNCNTANTNGNGNNGCNTCTCTANTCCNANCNNATTTANACCNCC
CTTTTAGTTATNTANTGGAATNNNNNTTCTNNNNNNANATTTATTANTAGGCNNNN
NNNTTANNACTTCATTGAANTNAAAAACNGANTNNATNTCCCNNTCANANTTTTANAAA
NNNANCAATNACCTATANCNCAGNANNCNAATACATTNGNANTANCCCNCAATTGGGNNTN
TCTNNAANTGGGNTGNANNCNNNATNAAANTNNTNATANNNTTGGNGNCTANANAANT
ANTNNNTCTCTCATCCCCNNNTNNCNTTCTCCCNCCNNGCNCCCCCCCCC

Sequence 3467

AGGTACCAACAGCACCCAGGCAAAGCCCCAAACTCATGATTTGTGAGGTCAGTAAGCGG
CCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGNCTCCCTGACA
ATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATGGAGATAAT
AGCACTTTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCCTAGGTANCCCAAGGCTGC
CCCCTTCGGNCACTCTGNNTCCACCTCCTCTGNAGGGAGCTTCAAGCCAAACAAGGGC
CACACCTGGGTGTGGTCTCANTAAAGTGACTTCTACCCCCGGGAGCCCGTGGACAAGTG
NGCCTGGGAAGGCAGTATNAGCAAGCCCCGGTCATAGGCCGGGNAAGTTGGNGGACCCAN
CCAAAACCTTNTCAAANCAAANGGCAGNCANNCTAAGTTACCCTTGCCCGGGCCGGGCC
CGGCTTCTAANGAACTAAGNGGNATTCCCNCCNNGGGGCTTGACAGGNAATTTACNA

Table 2

ANATTTCAAAGCNTTTATTNGNATNCCCCNTNCGAAACCNTTNGNGGGGGGGGGGG

Sequence 3468

CCGGGCAGGTACGCGGGAAGGCCTGAAAGAGAGAGGTATGTTTTCTCTCCTCCAGAGTCT
CTGTGGTGTTGACACAGCAGAGAGAGGAGGGGGAGGGGCCTCGTCTTGCAGAATCACCTT
CAATCACTGCTACTGTCTGGGCCATTACTGCCAGTCTGGCCGGTGTCTCCACAGTGGAT
GGCTTTGCCTCCAGCGGTGGACCACTGTGTACCT

Sequence 3469

CGGGGGGTGAGGGAGGAGAATCGCTTGAACCTGAGAGGTANAGGTTGNGGTGAGCTGACA
TCATGCCACTGCACAATGCCTGGGTAACAGTAAGACTTTGTCTCAAAAAAAAAAAAAAAT
AGAAATTTACNAAATATAGAATATGTAACCGATGTCAACTTTTATCTTTGTTTTTAAAG
AAAGGCANCAAACNCATTTAAAGAGCATAAACCAAAAGATATAANAACCCATGGCCTTAT
AAAAGTCATTTAAACCACACTNACCCCTGGGCACTGATTNTNCATCCANAGTATGGGAGTG
GTGAAAATCTGCTTGCTAGGCTTGGTNTGAGGTGCTAAATNAAGTNGAGGGCAGGGGGGA
GCCCTTTCTTCCAGGGCCCCGACACATTTTCAAGTGTNCCNTGGNGTTTAGNGGGNTGA
ACANNTNAGAATTGGAAANTGTGGGGTTGACTGCACCCACTTTGNNCTTNTTTTNTGNN
TTTGTCTTAAATTTTGGTGCANGTNAANACAGTGANGGTNATTAGTTTTGTATTGANTG
CATGGAAAAAANAATTTGNTAGTNTNTTGGTGTGTTGAATTTTTTNCTTTATTTNNCT
GCCCTNCCCTTTT

Sequence 3470

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACAAAAGATGTTGGAGTC
CAGTAAGCCCATACTAAATTAAGTGTAAAGCTTCAAGGACTTTTTGTTTATTTTATAT
ACTAGTTTTCTCTGTGACAAGTTGATTTATCTCCAAGACTTAAGGCCATCCCTGGCT
CTTTCACGAATTTATATGGCCGGTAACAGCAGCATCTGGTCCCTGGTGAATTGGCTT
CTCAATGCTGACATTTGCAAGTGCATCTTCACCAAATATGAAACGAGCATAAAGGTTGGC
TGCCATAAAAGCCCAGTAACCCAGAAAAGGGCCTTTTCTGGAGTCAGGCATTTCAATTGG
GTTTGACTTTAAATATTTNCCTGTAAAGTAGTCATTTAAATCAACCCATGTTTGGGTG
TAACTGGNCATTTTTGTTTCCCANTTCAAATTTNCGGCCCCACATCTTGAACGGGNA
ANTCTTGCATCANGTNGCAAAGNTTGCCAGGCTTGGGAATANAAGTCCCATGGAATGGTN
CGATNGTGGGAATATTCACCTGNNGAAACCCACACAAATTTCTTGNTCCACTTTGGCTT
GGCTCCCAGNNGGACCATTCAATAAACTTATTNTTTACCCAAAAAATTTAATTTT

Sequence 3471

CCGGGCAGGTACACATTTAGCCACAGGGCCTAATAAAAAGCTTAATAGGAATGGTTTCCC
TTTCTATTCAAGGTTCAACTTAGGAAATAAATAGTGATTATAATGATATTTTCATAGAAAC
AAAAACCCAGTTGAGGCTTTACTTAACTGGTATTTTTTTTTTGCACCTATTTTTATGAA
GACACAGATTTGGTTTCAGAAATTCAGCTACTGAGCTCCAACCTACTAGGGCAGGTGACCA
CCTTGAATGTCAGGTGAGGGGAGAAATTGCTCCAGGGTCCATCANCAGAAGAGCTCATTT
AATTAACCACAAACTCAATGCAGGACACTGGCACTTAATGATNTGGGACCCGCGTACCTN

Sequence 3472

CCGGGCAGGTACCAAGCTGGGGTAGTAAGTAGTAGAGACTGAGCCAGAGCTCAAGCCACA
AGTGAGTGTGACTGTCCCTCCAGGGGACACTGAGAACGATGGCTCCTGGGTACACACAGT
CTGAGAATCCACTCCTGATCCATAAGCAAGGAGTCCGAGGAGAAGCATCATCCAGGCCAT
GGTGGGGACACTCATGAAGGCTAAGTGTCTCAGGCTTCCCAGCTGGGGTTTGTCTTCT
CAGGGCCTTTTCCCCGCGTACCT

Sequence 3473

AGGTACGCGGTACGACGCTACCTGAGCCTGACGCCCCGAGCAGTGGAAGTCCCACAGAAGC
TACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCTCGAGCGG
CCGCCCGGGCAGGTACGCGGGGTCTCCCTGACTTGGGACATGGCCTGTCCGATTATCCT
GCCCCCAGAGAAGGAGCTTGCCATGCCCGGGGAGGACCTGAAGTTCAACCTAATCTTGCG
GCAGCCAATGATCTTAGAGAAAGGCCAGCGTTTCAACCTGCGAGATGGCAACCGGACTAT

Table 2

TGGCACCGGTCTAGTCACCAACACGCTGGCCATGACTGAGGAGGAGAAGAATATCAAATG
GGGTTGAGTGTGCAGATCTCTGCTCAGCTTCCCTTGCGTTTAAGGCCTGCCCTAGCCAGG
GCTTCCCTCCTGCTTCCAGTACCTCGGCCGCT

Sequence 3474

CCGGGCAGGTACGCGGGGACACCAAACTCATTACACAAAGAGGTAAGGTCCCAGACC
ACGCCAAAGCTTCTGAGACCTCTCCTCATCTGTGCATGGACGGATGACCAACTCTGGGG
CCCAGGCTGTTGCTTCCAGTATAATGATGAATCCGCCATAGTCTGGTGAGTGTAGAGGC
TGACTCTGGAGCCCAGGCTGTACCT

Sequence 3475

GGGCAGGTACAGAATTTTGGTCTGTAAATTCCACAAAAGCAAACCGAGTTGGCTGAGTCT
CATCACCTGCCATCCGCACAACTTCACTTCTCCAACCTGTTTAAAAAATTCAGTAGTT
GATCAGCTGTCGTTGTCTGGGAATTCAGATTTCCAACATAAACCGTTCTCCTAATTTTCAT
CTATTTTGAAGGATCCACGTTTCCCATAGTGGTGGCTGNGGTATCTCTCCAAGTGTG
CAATGTTGGGGTCTAGTGTCTGCTGCTGCTATAGCTCCCAAACTGCTAAGTGAAACACCAA
GAGTAGTCAAAGGATTTGGGGTCCGATTTGGAAGCAATCCTGCACCAGGCATCATACTTG
TCATGTTGGAGCAGGAGCCAATAAAGAGAGGGCTTTGGATTCTCTGGGATTTTACCTG
CAGAGGCAAGTTCCAAACATTACAAAAAGCAGAAACACCACACAACTTTCACTATGATT
TTACAATTACCTTGCAGTTAAAAATAATAATAAATNAAATCTATCTATCAGATCT
GTATAAAGAAATAAATAAAGAACTTAAGTCTTTCCTTTTATCCTGCTCTACTAGGGAAA
AATNAAAGTGAGCCAAAACCTTTCAAAATATTTAACAATTCTCATTAAATGGGAAATATT
ATTTTAAAAA

Sequence 3476

CAGCCCAAAATACTATCTTAAAAAATTTGAAGACAGGNTAACCAAAGGTTCTGGCNGN
CATCCATGTCCAAAACAAACCAATGTGTTGCCGTAAAAACATTTGCTCTTGAAAAGTAG
TCCCTTAGCCAGGCGCGGTGGCTCACACCTGCAATCCCAGCATTTGGAAGGCCGAGGCAG
GTGGATCATCAGGTCAGGAGATCAAGACCATCCTGGCTAACGCAGNAAAATCCCATCTCT
ACTAAAAATACAAAAAGACTAGCCAGGCGTGGTGACACACNCCTGNAGTCCCAGCTACTC
GGGAGGCTGACGCANGANAATCACTTGAACCCTGGAAGTGGANGTTGCAAGTNAGCGGCG
ATCGTGCCACCGCACTCCAGCCTGGCAACAGAGCCGANGACTTCGTCTNAAAAAANAN
CGCANCTTANTANNNCCTNCCCGGNNNGGCCCGNTTCTAAGAACTAAGTNGGATTNCCC
CCNGGGCTTGNAAGGAAATCCAATTTTCAAAGGCTTAATTNGNNTACCCGTTNGGACCT
TNGGAGGGGGGGGNNCCCGTTCCCAAACTT

Sequence 3477

CCGCGGTGGCGGCCGAGGTACCAAATGCTAGTGAGGATGTGGAGCAACAGGAACCTTCAT
TCATTGATGGTGGGAATGCAAAATGGAACAGCCACTTTGGAATACAATTTCTTATAAAAC
GAAACATACTCTTTTAAAAATAAATACTCTTATCCTACGATCCAGCAATCTCAATTTCT
CATGGTATTTATTCAAAGGAGTTGAAATTTATATCCACACAAAAATCCACACATGGATGT
TTGTGGCAGATTTATTATAATTCTAAGAAGTAGAAGCAACCAAGATGTCTTTCTGTAAG
TGTCTTAATCCATTCAACCTGATATACCAATGACAAAACATAGATTTGCTGGCATTTA
AACAAATAAATTTATTGCTCACAGTCCTGGAGGCTGGAAGTCCAAGATCAAGTCATGGC
ACATTCTGCATCTGGTGAGGGCACTTCTGGTTCATAGATGGCTCCTTTTGTGTCATCT
AAGTGACGAATCTCTTTCATGAGGTTCCACCCTCATGACCTCATCACCTCCCCAAAAC
CCAACCTGGGGCAACAGAGCAAGCCTTTGTCTCGAAAAAANNAAGNNNNCNAANGG
TCCTGCCCNGGCGGCCGCTCGATGCCATTTGATGCCTGCTTAATCCCAAAAAGAGCCC
TGCNCAATNCCACTTTGCTCANGGGGAGGNCGTTTCCCTAAGGCAAGCTNGAAAAAATAG
GGGAAAACTGGTTTTTTTTTTTT

Sequence 3478

CGGGCAGGTACTGTCCAACCTGGATGCTGCCCTGGTGGCTGAAGGCACACTTCATGATGCT
GTCCAGGGTCATCAGGGAGACATGTTGAAAGAGCTCCAGACGTGAGTTTTGGGCAATGTG

Table 2

TTCTCCCATTTGTTTCAGCATCATCCGAACACTCTCAGACATCATGGTGATGAATATTTT
CAGAATGCTGATGTTGAAGCCAGGTTTCACAATCTGGCGGTGCTTTTCCATTAGAACC
ATCCAGGGTCACAAGTCCTCGACCAACCCAGGATTCAAGGATTTTGTGGCTAACAGCACT
TTTGGGATCTTGCTTTTTCAGGAGAATCTTGGCATAGTCTGGGTCTGGACACTGAAGAA
CATCGTAAAGGGTCCAACCCACAAGGGAACAGCACATGGGTATTTTCCATCAGCTTATG
ATACACCTCAAACCTCTTTACTGGGTAAACTCCTTGTGGCCATAGAACCAGTGGGGCAG
GGGGTGCAGGAAACAGGTACAGGGCTCTGATCATCCATCTCCTCCTCTGGTACCT

Sequence 3479

CTATANGGCGAATCGGAGCTCCCCGCGGTGGCGGCCCCGAGGTACCANAAGGGCTCCCGCT
CTCCTCTGCCCAAGAGTGAGCGGTTCTCTGCCAGGACGGGGGAAGGAGGCCAACCTT
GTAGGCTTCGTCAATGTTGGCATTACACAGTGCTGGATCATCTCCTTTACCAGCAGTGG
GTGGGGCTCGTNACAGACCTGNCCAAAGGGAAAGGAAAGGCGGTACAGGGCTANAAGGGA
CAATGTGAGCGGGGAGGCCCA

Sequence 3480

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTNCCAGGCTAA
GTAGGTGGTAAATTGAC

Sequence 3481

CCTCACACCAACTANAACCAACCCAGNTCTNAAAAANANGGAATGTNAAANTGTNATGTTT
AANTTTANATTCAGTGCCTGGAATCTTNTCTCACAATTGAAATGAAATGTGCTGAAGGA
NGTNAATCCATGCATTAATCTAAAGNTGACAAAGGAAATANTATATNATANGCAACACCA
CAGACTCAAGACGGACATAATTGGATTTTTTTTGGCATGGCCTGGAAAGAAAGGTACCTG
CCCG

Sequence 3482

GAGCTCCCCGCGGTGGCGGCCGAGGTGGGAGGAATGCTTGANCCCCCAGTCTGGGCANTA
TAGTGAGACCCCNCTCTCTGCAAAAAAGAAGTTCAGAGGCCCANACTTGCTACTGGTGC
CCAGGGGGCTGTGGGGCAGCTTGGGCATTGAGCCCTCATGCTGTGGGATCTGATGCTGTC
TCTAGGTAGATAGTGTGGAAATTGAATTGGAGGACACCCAACCTGGTGTCCGCTGCAGAA
CTGATTGCTTGCTGGTGGTGGGGAGAAATCCTTACATATTTTTTGGAGTCACAGAAGTC
TTCTGTGTTGATTGTTGTAAGTGTGAAAGCAGAGGAAAAACAATGGTTTGGGTTTTTCA
AAACAACTTTCATGACACATACGAGAATGTAAATTCCANAAGGGCCAAGGCCATGTCTGT
TTTACCTACTCTTTTTCCCCANCTTCTANTACCTGCCCGGGCGGC

Sequence 3483

CTGATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGA
AAGGTACGCTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAA
CGGATCCATTAAGCCAGCACCAAGGAGAACATCTTGACACTTATGGAATTTCAAAAAGT
ATGATATGATGGCAATAAAGTGGCTCTTCAGCCAAAAAAAAAAAAAAAAAAGNNCCC
CCCCCCCCCNNGGGGNNNTNNGGGCCCCCNNAANNAAAAAANCCNTTNNCCCCCNNGG
NTNTTNAAAAAAACNTTNNNGNNNTTGGGAAAAANTNNNNNNNNNNGAANNCCNATTT
TNAAAAAAANNCNAAAAGGNTTGNCCNTTTTTTTTNGGGNNNNCCCCCNNTTTA
AAAAAANCCCNNGNTTNTGNNTTGGGGNNNNAAATTNCCCCCNNAAAAAA
AAAAAANNNNNCCCCCNNTTAAAAAANGGGGGCCCCCNCGGGGNGNNA
ANTTTTNNAAANNTTTTTNNCCCCCCCCCGGGG

Sequence 3484

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTGAACCTCCAATTCCACCCACAGAG
CTTGGTGCTAGCTCTGCACACGGTAGATATAAGCAAGAACTTAGGCCGAAGTGAATTGAA
TGACCCATTCTTACCAGATAATTCTGTTCTTGACAGGGGTATTTCCGATCTGGGTTCTGCC
TCAAGGCTGACGGAATCAATACATTGACAAAGTGATCCTCAGTCACGTCTCCATTGAGA
GGGGGCTCCAGGGCGTTGGCATCCTGAGGCTGCACAGGGGGCCCAATGGCGGCAGCCCCCT
GCACCTGCACAGCTGCATTTTCATGCCCTCCCCTCTGGGGTCAGCTGGTGTGGCTCA

Table 2

TGTGAAACTGCAGCTGAATCACAATGCACTTCTGCATCCTCAGGTAAAGAATCACTA
Sequence 3485

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGTCTTGCCATAAATCAAGAAGAGAGCAG
GAGAACTGAGAACTCCTCCCCTCCCCCACCAGAAGCCTTGTGTCTAGTAACAGGTAAC
AACAGCCATCTACTGTTGGAGAAAGAACAAAGCATGGAAAGGATGGAGCAGGGAAAGAG
GGAAAAACAACAACCACTCTCCAGCACTCCAGGTCTTAACATTAAGCACAAAATAGGAG
CAGCCTAGCCCACCACCGGAGGGATTTCAAGTCTGTTGCACACTGAAAATAACCATGGCT
ACAACAAAACCAATTCACCGCAAATGCTGACTAAATTGACTAATAGCCCCATGCTAATA
GCTTGATGGAAGGATAGATATTCACACTTTGAACATTTGCTTCAGTGTCTACTTTTCTTC
TATACAACATACCTGGCATTTAATTTAAAAAAAACACACATTTAAAAATGTTAAAGACC
TATGTGAAAAGATAAAATAGCAGAACCNGACCCAGAGGTGACTCANAAGTTGGAACGACT
NGAGACTACTAGAGACTCAAAAAAAAAAAAAAAAAAANTTCCTGGCNGGGGGGNNNT
TTAAAAAATTGGGNGGCCCGGGGGGGNGGAATTTTTTNNNNNTTTTTTANCCCC
CCCCCN

Sequence 3486

AAGCTCNACCGCGGTGGCGGCCCGCCCGGNAGGTACTTTTTTTTTTTTTTTTTTTTTT
NGGGNATTTTTTTGGGTTTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTNTTTNTTTAATTNGANAGGCCNAAAAGNAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAANNCNNNNNNAANAAAAAAAAAAAAAAAAAATTNTTTN
ATAANANANCANANNAAAAAAAAAAAGANGNGGGCCCCCCCCANNCNAAAAAAAAAAAA
NAAGNTAACCCCCCCCCACCCACNCAAAATNTNATTNAAANAAAAAGANCANTNNNNN
GGGNGNGGGGAGGGAAATTNTTTTTTTNTTNNCAAANNNTCCNCNNCNNAAAAAAAAAN
NNNAATAAAAAATAAACANTTANTGAAAAGGGGGGGGGGGGANCATTNTTTNTAAAAA
AAAAAAAAATAATTTNNATAAAAAAAAAANCCCCCCCCNAAAAAAAAAAAAAAAAAAAA
CCCCCCCCCGAGAAAAAAAAAATAAATTAATTAATNTTTNNCCCCCGNNNGGGGGG
GGGGGGGGGAACAANAAAAATATTTTTTTTNTATAAAAAAAAAAGAAAAANACNCCNC
CACCAAAAA

Sequence 3487

AGGTACACACTGAAACCACTGTCAGATTAAGAACTTCCACAACCTGTCTCAGTTCTTCA
AACAATGGAGCAAGTTCCTTTCTAGGCTGACAATTAGTCCTGTATTGGCACTGCTGCTG
GCTATGAACTCACCACCAAAGGTAACGATTAAATTGAACCACCTGGTAGGTGTTATAG
TAACAGATGATACTTTTATTTTGGAAAGTCCAAGTTTGCTTCCTGGTCTGTTGCAAGG
GCAAAAGTGGATAAGAAACCAGGTGCAAGCATGCTCTGGAGCATTGTCATTTGCCACT
TTAATAACAGGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACTTCACTGGAAATATGGGC
GCCGAGGTGGCCTTCAACTGGATCATTGTTACATGGAAGAGCCAGATTTTGCTGAGCCC
GCTGACCATGCCTGGTTATGGAGGGGCAAGCTTCTGCTGGAGCCTCTGTTTTTGGTGCTT
CTGGACTGGATAACCAACCTCCANAGGAAATCGTACCTATCATCACCTTCATGGGATTTC
AGCGAAATCAGGCTATTCANGCCTACNAGCAACGAATAATNACCTGGAAAGAGCACTGG
ATTGGATC

Sequence 3488

GATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTATGCGGGGGAAATGCTCTGTG
CAGAAGAAGAGCAGAGTAGGACGTGCTGGGTGACCGCGATTAGATTGCTTAAGAGAAGTA
TATCAGAGAATTCCTGGTAGCAATGGACTTCTCAGGCCAGAAAAGCAGAGTTATAGAAA
ATCCCACTGAAGCCCTTTCAGTTGCGGTTGAAGAAGGACTCGCTTGGAGGGTACCT

Sequence 3489

GGAGCTCCCCGCGGTGGCGGNCCGAGGTACTTTNGCTCTCTGTCTTTGCCAATATTTACT
TTTGATCTTTGTTTTTGCCTTTATTTGCTTTTGCTCTGTTTAAACAGGCTATTCAGAAA
GGCAATAAGGAAGCTGCAAGAATACATGCTGAAAATGCAATCCACCAGAAAAATCAAGCA
ATTGATTCTTAAGAATGAGTGCTAGAGTTGGTGCCGTGGCAGTCAGAGGTCAAAATGCA

Table 2

GTAACAATGGGCAGGACTTCTGCCTTGATGGACAAATTCAAACACCAGTTTGAAACACTG
GATATTCAAACACAACAAATGGAAGATAAAATGAGTAGCTCTACAACCCTAATAACACCA
CAACACCTAACATGTGGTTAGTCAAATGAAAAGAGAACTTGTATTACTACTTTGGATGC
TAATATGGAAAAA

Sequence 3490

CGCCCGGGCGGCGGGATCCACTGTCCCGGCAGAGGAAAAATGCCAGCTTGTGGGACAAN
GGAGTGCAGGCCCCGACAACCCTCGGCAGGCCCGAAGGATGTGGCGATCTACACAGAAAGA
TTCACCTGGGCTCCAAAGTTGGCCCTTGTTCCAGTATTGGTTATGAATCTTCTTGTTCAT
CGCTTCTGTATTTATGTTGCACATTTTGGGGCAAAGTACCTCGGC

Sequence 3491

GAGCTCCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGTGTTTGGGGAGGTCAACGGGCTA
TGCTGGCTTGACAGGGCTGGGCTCTTCAGAACAGAAGCATGGATCTCGGAATCCCTGACC
TGCTGGACGCGTGGCTGGAGCCCCCANAGGATATCTTTCACAGGGATCCGTCCTGGAGCT
TGGACTCCACTTGCCCCCTCCAGAGGGTTCGGTTGCCCTGTCAACCCTGTCTGACCGA
TGAAGGAGAANCTCTCTGGGCAGGAAGGGTTTCCCTGCCCTTTACCTGCCCTTACCAAGG
CAGAGAAAGGGTCCCTCAAGAAGGCAGGAGGAAATCCGTACAAGCATCACTTANGAAGTC
GCGGCGGAAGAAGGATACCTGCCCGGGCGGCGTGAATCTNTAACATGGATCAGCGCCT
CCTTAAATAATCTGCAGAATCCATATTGAAGTAAAAGTTGGCCTTANTAGCTTTACAACC
GGCAAATACTGNAAACCATCGGANGCAAACAGCTTAAAGTCTTCGTATATCGTACCTCGG
CCCTTTTAAACTAGTGGATC

Sequence 3492

TGGAGCTCCCCGCGGTGGCGGCGTNCNTNGAANTAGNGCANACACCGGCTGCTGGAATAAN
GCNTTNGNCTTGNCCTGCCCCGACGACCTTGAGGGGGGGCCCGNNCCNCNTGTTNTGTGNC
CNNNGGGACNGGTGAACTGCCCCCTTGNGCNCNTATGGTNTTANNNNTCACTTGNACAN
ATGAGCGACTCANTATCTTTTATCAAACCATTTGATCACCTGCANGCTATGGTATATTTT
GCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGACTTATAAATTGCTGATCCAATAAA
TAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGGTGTNCTAAGGTTTCANGGAACAG
TTGTCTGACCTTACTATCCAACGAGGAGTAAGTCACTTCTCAGAGGTATAATTAACC
TAATTTGGACATCACAGAAATGCCTGAAAAATAATTCTTCAGTGCATTAAACAGTCCCCGTG
GATCTATTAAAGTAAGCAAAAAAAAAAAAAAAAAAAAAACCCCCGGCCNNTTAA
AAANNNGGNCCCCCGGGGGGGGGNNTTTNNTNNNNNTTTTNNNCCCCCCCCCCCC
Sequence 3493

CGAGGTACCCAGTCGTATCCTCTGTCCGCATGTGTGGCCAGGCCTGACAAACACCTGCA
GATGGCTGCTGCCCCAACCTGGACCTGCCAGGAGGTTGGAGCAGAAAGGGCTCTCCCTG
GGGTGGTGTCTCCTCTAGGGTATTGGGATGCATGTTCTTGCACTGCCAGCAAAGGGGG
TGTGTCTGGGGGGCCACCACCTATGGGACACNGGGGTGAAGGGCCTGTACCTGCCCGGG
CGGCCGANGTACTTTTTTTTTTTTTTTTTTTTTTAAAAATNTTGGGGCCNNNGGNT
NTTNTTAAACCACTTTGGGGGGGGGANAACCNNTCTTTTTTTNNAAAAANTNNNTNAA
CCGGGNNTTTTAAAAANNNGGGGGGGGGGGGGGGGCACNATNTNANANCCCCCNNTTTA
GGGGGGGGGNTTTTCTAATTTNANAAAAANTNTTTTTTAAANANGGGTNTTTTNTATTN
NGAAAAANTNTNNTNCCCGNNNNAAAAAANANACC

Sequence 3494

CCGGGCAGGTACCACCCCAACATAAGGCAAGCAGAAAATCTGCTGTCACCACTACGGCTG
ATCCTCTTTTGCAAGTGCCACCTCCCGGCTGGAGGCCAACAGCACAGTCCATTTCAACA
TCTGCAAGCACAAAAAGCACAGCACTTAGGAAGAAGAAAACATTTGCATGACCTCAGCTA
TCATCATTGCCTGAGTCATTCTGGCTAACCAGGAGATCTTGAGTCTCTTCACTTGCCCAA
TACCTTACTGTTACAGCTGGTATTTGACAAAGCCAACACACTAAGGCTCTTCTAACCAA
GGAATCTCAGTATCTACATCTCCCGCCACCCCATCAGAGCTGGTGTGGTACCT

Sequence 3495

Table 2

AGGTACGCGGGGTGTGTGCCATCATCGAGCGTGTGCAGCGCTCCTGGAGGAGAAGGGCAC
TACCCGAGGAGGTCTGCCGATCTACCTGCTGCGCATCCTGCACACCTACTACAAGTTTG
ATTACAAGGCCCATCAGCGACAGCTGACCCCGCCTGAGGCTCCTCAAAGTCTGAGCAAAG
ACCAGGCAAAAAATGAGGGCGAGGACTCGGCTGTGTTGATGGAAAGACTTGTGCAAGTAC
CTGCCCGGGCGGCCGTCTAGAACTAGTGGAT

Sequence 3496

TGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTCCTGCTTGCCTCATGAAAAGTGGTCC
TCTGGAAGGCCAGGTGAAAGCTCGTGGTAGTGTTCTCTCAATGATGTAGGTATAGGAC
TGTTGCCCTTTGGAACCTTTCCACGTCTTCACAGGAATGTTGGTCTAGAAATTCACACC
CCCCATGAAAGTAGAANCTCACAAGTTCACANAACAAAAGGTCTCAAAGACAAAATGTG
ATTCTTGCCACCTNTTTATTCTCTTGTTGCTTGGCATCACCCGACTGCGGAGGTCTAAAT
CCTGGCCAACCAGAGTGAGAATCATGAANTCATTGTCTGAGGCTNCAACAGCTTGTGTAA
ATGTGATCACCAGCCACCTTCCAACCTGTCATGCCCTTGTACCTTGCCGGGCGGNCGNTC
TA

Sequence 3497

GTGCGATCTGGTCTCCAGGTTCTGTTTTGCAGGCGGAGCTGCCGGGCCTCTGCTTGCA
GGGGTCTCAGAGCCTCCTTCATTTCTGATCTCACCTGGGTCTCTGCAGAGCTTTGGT
CCCAGCTTCTTTCTCTCTAGGAGCCGCAAGTGAAGGCTCATACTCCTCCTCAGGTC
CTGGCGGCTCTCTGCCATGAGATTTTCAAAGTGGGAGAGAGTCGCCGGCTTTCTGAG
AAAGTGCCCATCCCTCTGGCTTGGAGGGGCTTCTAGTTGTTGCCGAGCTGCTCCTTCTG
CTTCTGATAGGCATCCCGAGCAGGGCCAGTTCCTCTGAGAGCTGGGTGCCCCTTGCCCC
CGCGTACCTGCCCC

Sequence 3498

CCGGGCAGGTACGCGGGGAGAGCCCTGGGGAGGAACTGCTCAGTTAGGACCCAGAGGGAA
CCATGGAACCCAGCTCAGCTTCTCTTCTCTGCTACTCTGGCTCCAAGATACCACCGA
AAAATTGTGTTGACACAATCTCACCACCCTGTCTTTGTCTCAGGGGGAAAAANACCACCCT
TTCTTGTAGGGCCAAGTCAANAGTGTTAGCACCTACTTAGCCTTGGTACCTCGGCCGTCT
AG

Sequence 3499

CGCCCCGGGCAGGTACCCGGCCAGGATTTTTTTGTTAACATTTAAGATTTCTACTAAATTG
TTGCTTTTTTATGTGGCGTGGTGATTGTGTGGTCCCAGCGCTTTGGGAGGCCAAGGCAGG
TGGATCACTTGAGCTCAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAATCCCATCTC
TACTAAACGTTCAAAAATTAGCTGGGCATGGTGGTGCACACCTGTAGTCCCAGCTACTCG
GAAGCCTGAGGCATGAGAATCGTTTGAACCTGGGAGGCGGAGGCTGCCGTGAGCTGAGAT
TGTGCCACTGCACTCCAGCCTAGGTGACAGACGGAGACTCCATCTCAAAAAAAAAAGAGA
GAGANTTTGTCCNGTGTTNCCTGGCTTNGGAAATAAANAAGGANANAGAGAGGGAGGGGG
GGAAAGANATAAAGAGANAGAGAGAANGAGNGTGNGAGAAAGAGAGACCNNGANACCNTG
AGTTTTGAANGAANGAAAANGAANGAANGAAAAGNGGCCGGCCNCANTGGCCACNCCT
GCATTTCCANCCCTTGGGAGTTNTNAAAGGCAGANAAAAAATTGCTCCATGGNAATTTCC
CAACCTTTGGNAAAAAATTAGCNCTTTCGGCCCCANGGGTTAAAAAACCAAATTTT

Sequence 3500

GGAGCTCCCCGCGGTGGCGGCCCGAGGTACATTAGAAAAACAGGACTTAGGCCAAACAAAC
AATACTGGATACTGAATACAAAACAGTATGATTTATATTAAAGGTTTCAAAGGTTGCCT
GCAAAGGAGAATATTACTACTAGTCAGCAGGAAAAAATGCATTCAAGACCAAGCAGAA
ACCGCCAAATGTAATTAGGTTAAGAAAAGTTACCTTGGGCAGTGTATTAGTTTTCTATT
GCTGTGTGACAAATTACCCCAAATTTAGCAGTTTAAAAAACAATACCCATAGCAGTTCTG
TAGCTCATGAGTCTGGCACAGTGTGGCTGGATTCTCTGCTCAGGGTCTTAAAGGCTGAAA
TAAGGGTTGGCAGGACAACATTCCTTCATGGAGGCTCTGGGGAAGAATCTGCTTCTAAGT
TCATTAGGTTGTTGGCGGAATTCAGTTCCTTGCTGGCTCTCAGCTGGAGGCCCTCTCT

Table 2

CACCTCAAGGCTGCCTGCATTCTTCTTATGTGGTCCCCTNCAGCTTCAAACCACCTTCC
TGCTCTTTCTCATGCCCTTNATATCTNTTTTCCGTCCTCCTGTTTTANGGGCATATGAATT
AGCTTCAAGCCCCCAGATTTATTTTAAAGTTGGATTGGTGCCAATAGAACATAAATTG
CAGGANTACCTTGCCCCGGCGGGCCGCCGGCCAGGTTCCAGTNTTGTNTTATGATTT
TTTCACACCTTCTTGAAATTTTTACCAATTCAAAAATNCCCAAAGCTTNTTTGAAGTTTT
TTGATTAANCCCANAAATACACTTCCCCCACCTTAAACCTGGTTNAA.AAAAAAAAAAAA

Sequence 3501

GGAGCTCCCCGCGGTGGCGGGCCGCCGGGCAGGTACCATGGAAAAAATTGCAATGAAACA
ATATACCAGCAATATTA.AAAAAAGGAAAGAAATTATTGAATACTACCTTCGCCATTAG
AAGGAGGCATAACCTTTGTGCCCCATTGGACTCCACCTTCCATCACGCCCTCTTCAGAGA
CATCTTCGTATCCTGCAAGAAACAAGCAGCGTCCATGGCTGTTGTCATCCCAGATGCTG
TCCTCAAGGAGGGGCTGAGTGGCGATGCCCTCAGCAGCCCCAGTGCACCTGAGCCCGTGG
TGGGCATCCCTGATAACAAATTAGATGCTGACTACATCAAGAGATACCTGGGCGATTGA
CTCCGCTGCAGGAGANCTGTCTNATTANACTTNACGGGTGGNTCTAGGAGACCCCCAAGG
GTGAAATCCAAAAGATGAACNTATTCTTCAATTCCTATGTGCATGGGATTTTAATATTG
ACAAAGCCNGAGAGATCATTTGTCAATCTTTGGCGTGGAGGAAGCACCCCNNGGTAGACTA
CATNTTGTCTCTGGGCCGGTCCACAAGTTCCTTTAAATTA. ACTACACCGGGGANGGNTGG
GGTTATTACCACCAAAAATN. GGGGGGCCCTNTACNTCTCAGCTN. GGGCAGATGGCACCCA
AGCTTTGTGAAAACCTCTN. GGAGGAA. NCCTTCTTAA. AACNTTNTTCTAAATTA. A
A

Sequence 3502

TTGGAGCTCCCCGCGGTGGCGGGCCGCCGGGCAGGTACGCGGGGGCAGAGAAGTTTCCGG
GACTGTCCCCACGACAGTCCGTTTGTAGATTCCCTGATCTGCAATTCTTCCGTTCTT
CATGGATTTGAAGGCTCTCCTTTCTCCTTGAATGACTTTGCATCCCTCTCGTTTGTGA
GAGTTGGGACAAATGTTGGATTACTGGTGAACCAAGCCCACCACATACTGTAAATACACT
CTTCTGACCAATGACCTGACTGAGGAAGTGATGGAGGAGGTGCTGCAAAAGAAGGCAGA
CCTCATTCTCTCCTACCATCCGCCTATCTTCCGACCCATGAAGCGCATAACCTGGAACAC
ATGGAAGGAGCGCCTGGTGATCCGGGCTCTGGANAACAAAAGTCGGTATCTACTCTCCTC
ATACAGCCTATGATGCTGCGCCCCAAGGCGTTCAACAACTGGTTGGCTAAANGGCTTGA
GCTTGACCTTNGNCCGCTCTAA. AACTAGTGGAT

Sequence 3503

ATTGGAGCTCCCCGCGGTGGCGGGCCGANGTACATATTGNCCATCNGCTCNAAAATNATGA
ACTCCTGGGTCTNATANTGGGCNAACAGGGAAAAAAGTTGGGACNTGCTNCCTGTACCCA
CNTGGTTGCCTTGCNNGTCCNTTCTNNGACTGAGNTCTGGACTTGAGAGCCTCTTGNACN
ATGGCTTTTCANACAACTNTTGTATACCNCTN. NCNCTGGAANATCCATCTC. NNCNNTGTC
TTTTCTNACTNACATGGGGN. CNCN. NNGNCCNCANGANAANACACCTNTCAAANGTGNCA
AATNNGGNANGGACTTAATACTTNTCATGCCTN. GAGGACNCCTGTCTACTCAGTTTTTT
TTTGGTGGGGCGGGGGGCGGTGATAGGGTCTCGCTCTGTCACCAGACTGGAGTACCTGCC
CG

Sequence 3504

CGAGGTACGAGAAATACTGTGGTAGACAGTAGTAGCTCCCCAAAGATGTCCACATCCTAA
TCTTTTGGACTTGTGCTTATGTTACCTTGCAATTGAAGAAGAGTCTTTGCAGATGTGACCA
AATTAAGGAATCGAAATGGATAGATTAGCCTGCATTATCCAGGTGGCCCAATGCAATTG
AAGAGTTCTTAAAGAGTTAGAGAAGGAGAAGGAAGATGAAAGCAGGGAGTCAGAGGAT
GTGATTTAGATTTTAA. AATGCTATTCTGCTGGCTTTGAAGATGGGGAAGGGGGTCATAAG
CCAATGAATGCAACCAGCTTCTAGAAGCAAAAATGGA. AAGGAAACGGATTTTCCCCTAGA
ACCTCCAGAAGGAATGCATGTCTGTTGACAGCTTGATTTTGGCCTAGTAA. AACCAATTTT
AACTTCTGAATTCTGGAATAGTAAAGAAA

Sequence 3505

Table 2

GGAGCTCNCCGCGGTGGCGGCCGAGGTACGCGGGATCGCACTGATTACACTCACAACACC
CTAGGCTCACTAAACATTCTACTACTTACTCTCACTGCCCAAGAACTATCAAACCTCTNA
CCAACANCTAAATATGACTAGCTGACACAATAGCTTTTATAGTAAAGATACCTCTTTACC
GGACTCCACTTATGACTCCCTAAAGCCCATGTCCAACNCCATCGCTGGGTCAATAATAC
CTGCCCCGGGCGGNCGTCTAACTANTGGATN

Sequence 3506

TTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGTGATGTGGCTCTGG
AAGGCGTGAGCCACTTCTTCCGCGAACTGGCCCCGAGGAGAAGCGCGAGGGCTACGAGCGT
CTCCTGAAGATGCAAAACCAGCGTGGCGGC

Sequence 3507

CGAGGTACAGTGCAATTTGGCGGCGCACGCCTCATTACGATTCGCCTGCTTGCTTCTCCT
GTCAATCGTTTCTTTGGAAGGCAGTGGATTTTCTTTCGCTCTCTGCTTCTTCAGTTCTGA
CTTATCGAATTCTCGATCTCACCATATCGGGTTTGCAAACATGGTTGCGGAGGAAAAAG
CGAAGCGAGGCGCACGAATACCTGCCNGGCGGCCGTCTAACTAGTGGATCCCCGGCTGC
AGGAATTCGATATAAGCTTATCGATCCGTGACCTCAAGGGGGGCCGGACCCACTTTTGT
TCCCTTTAA

Sequence 3508

GCCGAGGTACATTGCAAGTGCTTGTCACCTACACAGTATTTAGTAAATACATTGTGATGT
GAGAATCGGAGAAGGGAGAAGATNCGAAGGAAAGAAGGGAATAACCTGACTGTGGGTATT
TTAAGTCTAGCAGTAATCCCACTCTACTGAATCATACTCTGATTTCTAAAGTTTTATTAG
TTCAACGAACTTTGTAAATATTATTTATGTGGGACTGTATTCTCTCCACCCCGACCAC
CAAGAAATNAGGTTGGCTTNGTGTTNCTATNTTAGACTTCTGGAGGAGAAGGANCACGG
ANAATAANANGAATCNGAAGGGCTANAGGGATATAATGTCAAGAGGAGAGTATTGGTTC
TAGACTGATTATGATATANCTCCTGGAGAGCCCTTGTGTGCCTTATTCTGACTGTCTNTA
ATCCTAGCTCTGCCTCCATTTATTTGGGGCTTTCTCCA

Sequence 3509

TTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAGAAAAGCAGAACATGACAAAG
CCATTAGAAATACCAAGCATGTCTCCTGGAGGGTAAGAGGACAGTGAGCCCTTGAAGCAA
GTTGGGGGGGATTGGGAATGATTTTACAGGATGGTCAGAGTTCGAAAGATGGGTAGGAATT
CAACAGGAGTGAGAGGTAGAGCACAAGCTTAGCTGAAAGAACAGCATANAGAAAAGACAA
GTTATTGGTTACTTGAAGAAAAATTAGTGAAGGCCTCAATGCCTAGCTAGGCAGCTTTA
TACCTAATTTCACTGGGTGATGANGACTACTAAAGGTACTGAGTAGGGAAGTGACATCAT
GATACTNTAATGACTAGGCTGGGGCAGTGGGATTTCAGTNCACTTAGCAAAATCAATAAT
TTGGACCACTTTTGAGGAAAAACAAANGCNTCTAAAAGAAAAANAACCTTAATTTCAGGNC
NTNTTTTAANTTGAAAATGGTCTTGAATTTTGGTGGGGGGGTGTGTNTTTTTTTGTTT
TTTGTNTAAANAAAAAANATNAAAAGAACNNTGNNTTANAAAAAANAGGAAANAA
AACAATTTNGGGTTTGGCCAATAACCTTAATAAAATTNCTNAAAANGANACNAAAGCTN
TANCTTTNANGAANTTTNCTTNGGGGGGG

Sequence 3510

CCGGGCAGGTACAAGTAAGTATTGGTTCCCCTGAGTTCTGTGAGCCACTCTAGCAAATTA
ATCAAAACCAAAGAGGGGATTGTGGGAACCTCAAAGTGAAGTCTAGTTGTTAGAAGTTCT
GGAGGCTGGGACTTGCAACTTGGGGAGGGGAGAGGGTGGTCTTGTGGGACTGAGCCCTTT
ACTTGTCCGATCTGATGTTATCTCTGAGTAGATGGTGTGGAAGTGAATTGGAAGACATC
TAGCTGGTGTCCACTGCTTAATATGTGGGGAGAAACCCACACACATTTGGTCACAATTGT
CAAGTCTTCTTAATGAACCTAATCAGAAAATAAGAA

Sequence 3511

CCGGGCAGGACGCGGGGACCTCAGAGCTGAGCTGGGCATGAGTAGATGCTCAGTAAGTGG
TGCACAGGGTTGGTCCCTATGGTGGAGGCCCTTAACACCGCCCAACCCCCCTCCATGTT
CTCACAGCTCCACGCACTGAGCACGGGCATGAAGGCCATGATGTCAGAATTCTGCACCCA

Table 2

GGGAGCTGAGATGTGCCGCAGGGCCTGTGGCGGACATGGCTACTCAAAGCTGAGTGGCCT
GCCATCACTGGTCACCAAATTGTCGGCCTCCTGTACCT

Sequence 3512

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCGTGTTATGCAAATTAAGCAC
TTTTCTCTAAATTCACATGAACTTTTAGAGACGTAGACTATGTTATTGAAGTAACTCAT
CCTAAGTGTCTGTAGTGATTGGAGATATTCTTGCTTATCAAATTGAAGTATTTATAAGTG
AGTGACGTGATGTCTGAGATCTATCTTAAAGTAATCCAGTAGGGCAAAGATAAAGTGA
TTGGCCAGTTCTTGATAATTTTTGAAGTAGGCTGATGAGTACGCGGGTAGCCACCTCATT
TTACAGAGTTGAAACTGAGGCTCAGAGACTGAAAGTTAAGCCTGAGGTTGCAGTCAATAA
GAGGCAGAGCTGGAAGTGAACCTACCTGTGTCTGACCACCAGTTCGTGTTCTGACGGCA
GGCTAGTCTGCATCACAGAGTGTGGAGTAGATGGTGCATGCCTGCTAGGATGGGCTAGGT
ATCACTGTAGGTAAAAAACAGCCCCAACTATGGAAATGTACCTGCCCGGGCGGCCGCTC
TA

Sequence 3513

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAAAAGAGTTGGTTACAGATTCATTC
TGTGTCTCATGGCGCTGTGCTCTCTCCCTAGAGAGGATCTAGACTTTTCATCTGTTTAC
ACGGGAAGAAGTAGTTCAAGTTTATGGTCTCATTTCTCATATAAACTGTGAAAATTCTCCA
CGGCTTCACATGCTAGTTTCAAGATATTGATGCCTTGAGAATAAAGCATCTGGTTGTAA
CTCCAGCAGTTTATATTAAAGTATACCTAATATAATTGTCAACCACATTACTTTAGAA
AACATAAACAAAAGATAGTTACACATATTTATTTAAAAAATGGTGACCGGGTGCGGTGGC
TCACGCCTGTAATGCCGCGCACGTTGGGAGGCCGTGACTGACAGATCACTAGGTGAGGAGA
TCGAGACCATCCTGACTAACACAGTGAAGCCCTGTCTCTACTAAGAATGCGAAAAATTAN
CCCGGACGTGGTGGCACCCATTCTAATAATTTCTCAAGCGATGCTGCTGCTGGTGGTCC
TTGGAGCTTGCTCTGAGTTGCAAAAAGGAGANGCCTTTGATGGGAAAAATTGGAAGAAAA
GCAGTTGGGATAGAAGGGCAAGACTTACAGGGTCAAGAAAAATGCATTATATTGCTTTTAT
TTCTGGGTATGCTTTTACCCCGAGAAGAAGAAGGAAAGATNNCCGAAATTTTGATTAAA
NNCTTCCTTACCAAAAAAAGGAGGGTGACAAAAA

Sequence 3514

GCTCCCCGCGGTGGCGGCCGCTAGCCCTTGCTGTANATGGCAGCCCCGAGACGCCACGATG
AGCAGGGGCACGCCATAGCCCGATCAGCCCGGTACCTGCCCG

Sequence 3515

TCCCCGCGGTGGCGGCCGAGAGTCTCCCATGGTGACTGTGGTGGGAGATGGAACCATGCT
GGATGTGGAGGGTTTGTCTACCTAGGAGGCCTGCCCTCCAGTACCT

Sequence 3516

AGGTACNCGGGATAGTTTTTCCCATTAATTTCTCAAGGAACACTTGGATCTTTAAGCAC
GGAACATAATCATGATGTTAAAAACAGAGAAAATAAGGCTTTATAAAGTTAATGATTATC
ATCAGTATGAATTAAGGTTTGTTTAATTTCAAGATTTGATTTTTTATACGTGTAATTC
TATTATCTACCCAAGCANATCTGTANTGGTTCCAATTANACTTCTCAAACAGCAAATTTA
TCCTGATTTTATTGAAAAGCCTCTTGGAATTGATAGTATAGTACCTCAGGCNTNGGAAAC
TTTCTGCAAACGTGTTTTGGGTTTGCAGGCCANATGGTCTNTGTGGCAGNTACTCAGNTCT
GCAATTTCAGTGTGAAAGAAGCCATANACAGTACCTGCCCG

Sequence 3517

CCGGGCAGGTACCACCCCTTNTTGATGATTAATTTANTGACCTNGNTTAANCTCATCTGC
CNAANGNACGCCCTTGGCANTTGCTACTGGACCTGCACTANTCATGCAGCCTGTGTCAGC
CAATCANCTGAAGGAAAGATAAATTATCCTNTGTTCCAGGAGAAGTGTCTTCCACTGAAC
CTGAACCAGGAAGAATATGCCATAACTGTGTGAGCAGGCATCTTATAACAAGTAGAGGGG
GCACCATCCTTGGGATGAAGTTAATGCTNTGAATGATNACANGAGAAAANTACTTAAGTC
CTGAATGATACTGCTGTTGAGCCTGAGGTCTGTCCTAATTTCTATTTATNGTTACATAA
GAAATCCATGTCCTTATATACCAATTTGACCCAGGTCTTCCAGCAACTGGAAAGTAAAAAG

Table 2

CATTTAATTGGTCTATCATT CATATAGACACCAACTAAACCTGA

Sequence 3518

TAATACGACTCACTNTANGGCNAANGGGAATTGGAGCTCCNCGGCGGCCCGCCCGGCAGG
TNCCGCGGGGGATAACATGGACGTTAATATCGCCCCACTCCGCGCCTGGGACGATTTCTT
CCCGGGTTCCGATCGCTTTGCC

Sequence 3519

AGGTACGCGGGGGTGGGTCCAGGAGGCAGAACTCTGGGTGTCTCACCATGGCCTGGATCC
CTCTACTTCTCCCCCTCTCACTCTCTGCACAGGCTCTGAGGCCTCCTATGAGCTGATAC
AGCCACCCTCGGTGTCA GTGTCCCAGGACAGACGGCCAGGATCACCTGCTCTGGAGATG
CATTGCCAAACCAATATGTTTTTGGTACCTGCCCCGGGCGGCCGAGGTACCTGGGCTATG
AGTATGTCACTGCCATCCGGAATCTACGGGAAGGCACATGCCCAGAAGCCCCAACAGATG
AATGCAAGCCTGTGAAGTGGTGTGCGCTGAGCCACCACGAGAGGCTCAAGTGTGATGAGT
GGAGTGTTAACAGTGTAGGGAAAAAGAGTGTGTATCAAGCAGAGACCACCGAAGACTGC
ATCGCCAAGATCATGAATGGAGAAGCTGATGCCATGAGCTTGGATGGAGGGTTTGTCTAC
ATAGCGGGCAAGTGTGGGTCTGGTGCCTGTCTTGGCAGAAA

Sequence 3520

CTCCAAATACTAAAAATAAAAATAAAGTATGGGGTTCCTAGGGAAGTGAAGTTTGCC
AGGACATACTTTTCGTTGGGGCGGAATGCACCGAAAATCATTGGTAGGAAAAATAATTTT
TTTTTTGAGGAAAAATTTGGAACCTTTTTCCCAAAGGGCCCGCAAGATCCTAAAAAAG
CAAGAGCCCGCAGAAAAGCAGGATCCCCCTACAGGCGACACCCAGCGGACCTCCGC
TAGGGTCCTGACAAAGAAATGTCCACTTCCC

Sequence 3521

AGGTACTTTTTTTTTTTTTTAAATTGCAACTGCTTTTTTGCCNGCCTCTCTTNCCTAC
CCAAAANTNATGAGTTCTGAACAAGACAAGACTGTCATATTGTANAGACTTTGGTATGTG
ATACCATANAATACTGATTGGATAGCCATCCTAGTNACTTACCAATACTGACTAGAAGTT
AACTCTTAATTCTAAGCTATCTTAAATGCATATATATACTTCTTGCATGGAAGAGCAA
ACAAANTTCAAGTTGTCAATGCCTTGATAATTCANATGCCACNCGTATAGCAAAGGGT
GGAACAATGTTTTTCAACCCTTTTAACTTTTTTTACCGGTTGGTATTGGAAGACCCA
GCTTACTTCCTTTAAATAATTTTTTCAAATGGGGANNTTAAANAAAGTTATAAAAA
ATTTTTGCAANAATNTTAATTCAA

Sequence 3522

CCGCGGTGGCGGCCGTGTGGGTGAGTTGGCTGCCGGTGAGTTGGGTGCCGGTGGAGTCGT
GTTGGTCCTCAGAATCCCCGCGTAGCCGCTGCCTCCTCCTACCCTCGCCATGTTTCTTAC
CCGGCCTGAGTACCTCGGCCGCCCGGGCAGGTAAGTGTGAGGAGAAGGATCAGCTATC
CAGCGACTGTGAGCATGAACAAGAGCCAAGCCTAGAGACATAATCATCTTGACCCTCTGA
GTTACAGGATTCCGGCTATTTCTTCTTCTTCTAAACTCGGGCAAAATGGCTGAGCTGC
CAAATTGGACGACCTCGCGGCTTTCCCGAGAAAGCTCTAATACCAAGGACACACAAGCT
GGGAAGAAGTCACTGAACACGAAGTAGTTGGCAAGAACTGACATGCAGCCAAAGCAGCAC
ATAATTTNAAGCTGACGTACCT

Sequence 3523

AGGTAATCCTCATACTAGGGCTGGTGGCGGCTATGGGATGAGGCTCCTCTGCCTTTGGAA
AGGAGAGGAAGAGTGGGAAGGACTGCATCTTGTGGTTTGACAGTCAGCTCAGCAGTAGTA
CCTGCCCG

Sequence 3524

CCGGGCAGGTACCAAAAAGACTCTCAAAAACCAATACTCCCACGGGCAGGGGAATAGCCA
AGTTTGTTGCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGTCTCAATCAAAATGGGT
TCAGTTAACACCATCAGTTTCTTTCTCTCCAGATCCAGTTGAATTCTTGTGGGCATTC
TGGATAGCTGGAACAAGCTTAGACATGAACCCAGACAACCTTGCAAATTTCAAGGAATTC
TCACCGGTGTATTTCATAGGATGCTCAGTGAAAGTAGCATAAGGAACCTTCAGTGGACCAT

Table 2

GGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCAGTAGATCCTAAGGCCT
TCTCCTTGCTCTTGTCAGGGACATCCCAGGGAAGGTGAACCTTGCCCAGGCAGATGCGA
TAGGCAGCGCTCAGAGGAATCCGCTGCAGCTGCACAACTCAGCATGATGAAGTCGTAT
TTGCAGATCAAGAGAGTCTTGCTGTGACCAGTAGAATTCTCCTTCTCATTGGTTCCA
GTGGTCTATCTTTGTCAAGAGCCAGAAGCCTTGAATGGGTCTCTTCCAGAAGTCTTCANG
CTACGTGACCTTTCAAGTCTTTCATGGCAAGTCTTCAATGGGNCCCCC

Sequence 3525

AGGTACGGCATCATCACCATGTGAGGCCTGACGACCCCTAAGCTCCGGGTATACCCGCAC
AAAACCCCTCTACGTCCCTAATCGGAAGGTGAATTCTATGTGCTGGGCCTCACTGAATCAC
TTGGATTCCACCTTCTGCTGTGCTTCGTGGGACTTGACAGATACTCCAAGCTGTGCCGTG
CTGCTCCAGCGTCGCTGTTCATAGGTAGCTTCCAGGAATGCGTCGGCCTGGCATGCTT
TGCAGTTTCCAGATCCCTGATGCCCGGTCTGTGCCTGGTCCCTGAGCATCCACGCGTAT
CACTCTTTCAGTACCTGCCCC

Sequence 3526

AGGTACAGGAAGCAGCAGAAAGGCCCTCGGAGCTCACTGGGTCCCCAAGCAGCCATTCC
TGCCTGGCAACACAAAGATCCATCCGGAGGGCGGCCAGAGGAGCAGGGGGTAAAACCTCTA
CAGGGAGAAGGAATTCTCTAGCTGAACCTTTGTAACCATTTGAACAGGGCAAGAAGCCTCC
TGGCCAGAAGCTCAGGGGAGGGCGGAATCTGGCCTGCAGACTTCACAGGCAGGGGGAGGA
ACTAAAGCCCTTTTCTCTGGGGGCTGGGAGATGGATAGCATTGAGCAAATTTCAAGCCA
TTCTACCCCTCCGCTAAAACTGACTCTGTACGGGGGCATAGTGAGAGTGAGACCAAGC
CCTTCAGTTTGGCGTGGGGAGCTGGGTGAGGCCAAGTGACTGTCAGCTTTCTCCGACTTC
CCTGACAACCTGCATGACTCAACANGAGGCAAGCCTTAATCCTCCTGGTACCTGCCCCGG
C

Sequence 3527

ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTGGCT
TTAACTTCATATCATCAAAAGAGGCACTGAAGAACTAAGAAAATCAGTCTTGAATCACCA
GTGTCACCCCTCCCTAATCCCTTGACAGCTACAATGTGGTGCTGAGAACATTTCCGTGTG
CTGGGGAGAGGGGAGTGCANCAATGGTGAGGTATTGAACTCAGTGCTGCCCTGTTATAGC
AGAAAGTAAACCAAACCAAACTCAGCTGATGCCCACCCACAGAGGGAGCATTTAAACTA
GTCTTACTACAGTCACACAGTTCTAGTGATGATAGCCAAAGACAGGCTTGTGTCACCACA
TCCCAAGCTTCAGGTGGCTCANAACAAGAAAGAGAGACCCTGTTTGTGTTGGGAGAAAGT
AAGGAAATAGAACAAGAGTNTCTGCCAGGTAATCCAAAGAACTCTTACAGATTTTGTCCA
AGACTATCAAGGCAGTATCTNTACTAGTCTGCNAGAACCACAGCATTGGTNGGCTTTTGC
CCCCTAAAGTAGATACAGTTTAAAAATCACACACCTCGAGTTTTNTGNAAAATTNNNG
GNAAGGTCTTGCCAANAANAATNGGGTCCCTCGGNCCGTTNTANAACCTAATNGGATCCC
CNGGGCTGGGANGGAAATTNGATTTTNAAGCCTTATTGGATACCCTNNAACCTCCAAGG
GG

Sequence 3528

CGCGGTGGCGGCCGAGGTACACCTCAGTCCTACAACCAAGAACCTACCCATAGAAGTAA
GCAGGAAGCTGTGTCCATGCTCCTGACATGAGAAAGTCTTGCCAATGGGGAAAGACAGGG
GAAAACAGAGACTAGCTCAAGTCACAGGGTGAGTGTGAGCAACTTACCCAGGGAGGACGT
AAGTGCCAGGTTCTCCAGAGTCACATCACGGTACCTGCCCC

Sequence 3529

CGCGGTGGCGGCCCGAGGTACAGAAGTTAAACAACAAGAGAGATAATCTTGAAAGTGGC
AAAAGTGACTTATCTCACTTAAAGAGTCTCAATAAGGCTGACAGCTGATTTCTCTTCAG
AGACCATGGAGGTTAGAAGACAGTGCATGACATATTCAAAGTGCTGAAGGAAAGGCTATC
AAGCAAAAGTTCTATCTGCAGAAAACTCCTCCAATTTTAAAGGAGAAATTAAGGCATTT
CCAGATAAACATAACCTGAGAGAATTTTCCACTAGTAAGACCTGTTCTACAAGAAATACC
AATGGAAGTCCTTCAGGCTGAAATAAAAGGGTATTAGATCACAATTCAAATCCACATGAA

Table 2

GAAATAACACTAATAAGGTAAGTGCATAGGTAAATATAAAAGACAGTATAACTGTATTTT
TGTTTGTAACATTTTTCTTCTGTCTGATTTAAATCAATGACATTAAAGCAATAACCGA
TAAA

Sequence 3530

CCGCGGTGGCGGCCCGAGGTACGCGGGGGCGCCATTTTGTCTCGGCAGCGGTGGCCGTA
GCTCCATCGCATTTTATGTTTCTGGCGAGAAGGGAACGGAGTTTTCATCAGGTAGATTGG
TTTTTGT

Sequence 3531

CCGCGGTGGCGGCCCGAGGTACCAGGCTGTAGATTTGATAAGCTAGATGCAGTAGACCGA
AACCATCCAAAACCTGTTTAGCTTCTTCTCCATTGGAGTTTATTGGGACAAACAGGAGA
GCCAGCCATTGTCTCCAGTACGCGGGTATTCAATTTAAATGTTGCTAACCTTCTTTCCC
ACTGGCTCTGTATAAAAACTTCTGGACCAAAAGCCATCATTGGAAGATTTAAAAGAACT
CAGTCTCGGTGGGGAAGAGTTTGAAGAAGTTCTAGATGATGCTGCTGATGACATTGG
AGATGCGCTCTGCATACGCTTTTCTATACACTGGGACCAAAATGATGTTGACTTAATTCC
AAATGGGATCTCCATACCTGTGGACCAAAACCAAGAGAGACTATGTTTCTAAAGTATA
TTGATTACATTTTCAACCGTCTCTGTAAAGCAGTTTATGAGGAATTTAGAGAGGATTT
TATAGAGTCTGTGAGAAGGAGATCTTAGACATTTCTACCCTGAAGAACTAATGACAGCAA
TCATTGGAAATACTGATTATGACTGGAAACAGTTTGAACAGAATTCAAAGTTTGAGCCAG
GATCCAAAAATTACATNCTACTATACAGTTGGTTTGAANGCTTTCACAACTAACCTTG
GATGAAAAGAAAAAA

Sequence 3532

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGGAGACAGAGTTTCGCACTGATTCA
CCCAGGCTGGAGTGCAGTGGTGCGATCTCGGCTTACTATAGTGTCTGCCTCCCAGGTTCA
AGCAATTCTCCTGTCTCAGCCTCCCAAGTAGCTGGGACTACAGGCTGCACCACCACACCC
GGCTAATTTTGTATATTTAGTAGATATAGGGTTTGGCATGTTGTCCAGGCTGGTCTCGA
ACTCCTGACCTCAGGTGATCCAGCTGCCTCAGCCACCCAAAGCACTAGGATTATAGGCAC
ACACCACCATGCCCTGCCCAGGCTGGTCTTTGATTCTGGACTTAAGTAATNTGATAGCC
TNGGCCTCTCAAAGTGGTGAATTACAGGCATGAGCCACTGCATCCAACCTATTCCGGCTT
CTCTTGTCTTACCCTTGGTGCTAAGCCTGCCCAGCTAAGGCCAGGGCACTTAAAAATGCT
CGGGGTTTCAAGTTAAAGTTGGANATTTACCCATGTCAGAAAACCCAAGTCAAGGGGGTA
CCTCGGGCCGGCTCTAAAAATAAGTGGGATNCCNCCGGCTGCANGGAATTCNNATATCAA
NGCTTATTCGANTACCGGCCGACCTCGANGGGGGGGCCC

Sequence 3533

CCGCGGTGGCGGGACCCAAGGGTGTGCCACCACACCTGGCTAATTTTTTAAACATTTTGT
AGGGATCTTCCCTTCCCTGGCCTCCCCAGGCGCTTGAATACAGGTGTGAGCCATCGCACC
CGGGCAGAAGTTCTTAGTTTCAATGAAGTCAATTCATCAGTCTTTTCTTTGTGCTTGGT
ATATTTTGTATTACATTTGAAAAGATTTTACTCCAAGGTCATAAATTATTCTCTTAAGTT
ATCTTTTAGAAGTTTTATTATTTGCCTTTCACTTTTAGATCTACATTCTATCTGATTGA
TTTGTGTGTGTGGTGTGAGGTAGAGTCAAGATTCATTTTTTTTAAAGTATGAAGATCCAAC
TGACCTTGCAACATTTATGCAACATTATCTGTCTTATCCAATTGCATGGCAGTATTGC
TTTTGTCATAAAATCAACTGACTGAATATGCCGTGGTCTGTT

Sequence 3534

CGCGGTGGCGGCCGAGGTACGCGGGGTCCCAAGATGGCGTCAAGATAGGTTTCGAGACGG
TGGATGTTGCAGCTGATCATGCAGAAGCCGACATCCAGTGCCTTACCTGTATTTTCGAC
ATGGGGGCAGCCGTGCTGTGCGCTAGTTTTCATGTCCTTTGGCGTGAAGCGGCGCTGGTTC
GCGCTGGGGGCCGCACTCCAATTGGCCATTAGCACCTACGCCGCCTACATCGGGGGCTAC
GTCCACTACGGGGACTGGCTGAAGGTCCGTATGTACCTGCCCGGGCGGNCGTAAACATG
TGCTACTGGGCAGGCGGTGCCTCTAATACTGGTGATGCTAGAAAGTATGTTTTTGGTAA
CAGGCGGGGTAAAGATTTGCCCAGTTTCTTTTACTTTTTTTTAACTT

Table 2

Sequence 3535

CCGGGCAGGTACACGTTTGTGCGTTTGTGCGCTGGCCCTGAGTCGCTCCTAGGGATGGG
GTGAGTGAAATTGATGTGGAGTGGCCACTCTTGCCGCANACCTCTGGGAGCCTACCTGT
GGGAGACCCCATGATTCTCATGAACATCTGAGCTGGCAGGAAGAACTTCTGAGAGTTG
ACAGAGATGGAACCTAGCCTGCATGGAGCCCAGAGGGTTTGTGTGGGAACAGTTGCAG
TGGAGCATGGCTGTGGATATCC

Sequence 3536

CGAGGTACGCGGGGGGAGCAAGCAGGAAGTGAAGTGAAGGGCCACCCTGGGAGGAAGCCGA
CTAGGCCGAATTCACCTTACTGACCGGCCTGGGCTGCTCTGAGACATGGAGGAAGCCAGAAG
GTGGCTCGAAAATTCTGGTGAAGAACGTGAAGATGATTGTCCTTATCTGCGTGATTGTT
TTTATCATCATCCTCTTCATTGTGCTCTTACCCTGGTGCCTTCTCTTAAGTAACAGGG
AACCTCTCCACCTGCCCTTCTCTCAGGGACAACCCTCCATAAATGTGTGCCAAGAGGG
TCTCTTTCCTGTCTTCTCTACAGAGAATGCTGCTCGGTCTCTACCCCTCTTCCCAG
GCCCTGCTGCCATGTTGTATGCCCCAGAAGGTACCTGCCCGGGCGGCCGCTCTAGAACTA
AGTGGATCCCCCGGGC

Sequence 3537

CCGCGGTGGCGGCCCGCGGGCAGGTACACCGGCATGATCATAGCTCACTGCAGCCTCAA
ATTCCCGGCTTCAAGTGATCCTCTCAACTCGGCATCCCAAAGTGCTGGAATTACAGGTGT
GAGTCATCATGCCTGGTGGGTGTCTATTTATAAAAAGCACTAACTTAAAGATTTAAAGG
TGAGAGCCTGTATTAGGCCATTCTCATGGTGCTATAAAGAAGTGCCAAGACTGAGTAAT
TTATAAAGGAAAGAGGTTAATTGACTCACAATTCCACATGGCTGGGGAAGCCTCAGGAA
ACTTTCAATCATGGTGAAGGGGAAGCAAACATGTCCTTCTGCACAAGGTGGGCAGAAGA
GAGAAGTACCT

Sequence 3538

AGGTACGCGGGGTCAATTATTACCCTCACTGTCAACCCAACACAGGCATGCTCATAAGGAA
AGGTTAAAAAAAGTAAAGGAACTCGGCAAATCTTACCCCGCCTGTTTACCAAAAACAT
CACCTCTAGCATACCAGTATTAGAGGCACCCGCCTGCCAGTGACACATGTTTAACGGCC
GAGGTACACGTCTCTGTCTGGGCCTCGGCCAGGGTGCCGAGGGC

Sequence 3539

AGGGCGAATGGACTCCACGCGGTGGCGGCCGCGGCTGANCTCATCCCGGACGCTCCTGGC
TGTGCTGGGTCCGNTACGGCAAGCTNCATGGGGACCACAACAACAGCCCCCGGTACCT

Sequence 3540

CGAGGTACTTTTTTTTTTTTTTTTTTTTAAAGAATCGATCTCTTTTAATTTTTAAGC
CAATTTTGAGTANTCAAAGTCANAGCAGTCAATCTGTGTTGTGAGCCGAGGCANAACTNN
TGAAGCGTGNCTCGAGTGTCNNGGTCGANGTGGCACCTAACCTATGGCACTAATCACTG
GCTGGGGNACTGCCCCCGCTNGGATGCACGCAAGAACCTCGCGAACTGTATNANAATTNN
ACTNANTTTGTGNNCGGNTNCAANTGNTTTANNNAANGCCCCGANTGCCNCANGTA
NTGNANAAATGANCATGGAGCCTNANNTGNACCCCGAGGNGCCCGTGCCCCAAAAAACC
ACGATTCTCNGNTACNNGGCGNGCNAANGNANN

Sequence 3541

CGAGGTACACTTGGAGGAAGGCCAAGCAGGCGACTTGAAAGATAAGTGCCCCATTGACCT
TTTACTTAGAGTTTTATATGTTGGCTTACTTCTGGGTTCTACAACCTTCTCTGATTCT
TCCTTGTTGGTTGGTTGTCCATGTGTGCAGTGGCCTGCTAGTCCTTGGGAGGTGAGCAT
GTGCAGTGTGTTTACTGGAGTTGTACCTGCCCCG

Sequence 3542

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGACACAATGCCCCCAG
AAAAGTAACAGCCGTCATTTATGCTAGAAAAGGAAGTGTCTCCAGAGCATAGAGAAAAT
AAGTTCCTCTGTTGATGCAACAACGTGTTACTTCACAACANTGTGTTTTAGAGACCAAGA
ACCAAAGATCCATAATGAGATGGCATCAACATCAGATAAAGGTGCCCAAGGAAGAAATGA

Table 2

CAAGAAAGATTCTCAAGGAAGAAGTAATAAGGCATTACATCTGAAGAGTGATGCTGAATT
TAAAAAGATATTTGGCCTTACTAAGGATTGAGAGTGTGCCTTACTCGAATTCCTGACCA
TTTGACCTCTGGAGAAGGTTTCGATTCTTTAGCAGTTTGGTAAGGAGTGGTACCTGCC
G

Sequence 3543

CCGCGGTGGCGGCCGACGTACAGTGGTGTCTGCCTGTAGTCCCAGCTGGTTGGGAGGCTG
AGGCGGGAGGACCCNTTGAGTCTAGGAGTTAGAGAACAGCTTGGGCAACAAAGCGAGACT
GTCTTTAAAAAAATAC
CACACACACACAAAGACTGAAATGGAAATGAGCCGAGATCGCGCCACTGCACTCCAGCCT
GGGCGACAGAGTGAGACTCTGTCCCAAAAAAAAAAANATTAATTANAATGTNCCTGCC
CGGGCGGCCGAGGTACCTTTTCATAGAACTTGGCTTCTATGTGAGCACATCTTTACCTGA
AGTTGTTTNAATGCATTAAATTNCTTCTTTTACTGCTTTAGGTAAAGTTTCNATGTANC
TNGAAGGGGNTGTGAGGGANAATTTGTCNAAGNCCCNTCCTGTAAAAGNTGNCAANAAC
CGTGGATTCTGTCATNNCCTGATCTGNGAGCTTTTNTGNGTTANTTNCATTTTTAANNAG
CTTNCCAAGGGAAATTTTGAANGGAACCCATTCTGAAAACTGTNANTCTGGCNTTNTGA
AATGGTTTTTATTCTCTNANGGCCNCTNNGGGTANNTGGNCGGGNGACCCCTANCTTT
CNTCTNNGTTTTGGGGGGCTGGNGCCNCCCGNGTCCNTTGCCNCGTGGCNGGNTNTNT
TAAACTAGGGGGANCCCGGGCTTGGNGNGNATTTNTATATACCAGCCTTATNNTNAA
CCNCTGCCTTTAGGGGGGGG

Sequence 3544

CCGCGGTGGCGGCCGAGGTACAGGCTGTGATACATGTGGCGATCGATCTTCTTAGATTC
ACGGTATCTTCTGAGCAGCCGGCGCAAAATCCTCATTCTCCTCATCCATGTGACCTTCTC
TGGCATTGGGCATTGGCTGTACCTAGCGATAGTCGCTGGTTCAAACAGTGAAAAAATA
TGTTGGCTTTGACAGTTGGGACAAATACCAGATGGGAGATCAAAATGTGTATCCTGGACC
CATTGATACTCTGGACTTCTCAAAGATGGTGTATGCCAGTCACTTAAGGAACACCTTAT
TGATGAATTGGATTACATACTGTTGCCAACTGAAGGTTGGAATAAACTTGTGAGCTGGTA
CACATTGATGGAAGGTCAAGAGCCAATAGCACGAAAGGTGGTTGAACAGGGTATGTTTGT
AAAGCACTGCAAAGTAGAAGTATATCTCACAGAATTGAAGCTATGTGAAATGGAAACAT
GAATAATGTTGTAACCTCGAAGATTT

Sequence 3545

CGCCCGGGCAGGTACGCGGGGTAACTTTTAACTTTATAAACTTAGTATTTAACTTTTT
AAACTTTTTGTTGAAAATAAGACACAAAAACACATGTTAGCCTAGATCCACACAGGGT
AAGGTCATCAGTATCACTGTCTTCCACCTCCACATTTTGTCTCTGGAAGGTCTTCAGGG
GCAATAACACACATGGAGCTGTCATCGCCTGTGGTAACAACGCAGAGTACCT

Sequence 3546

CGAGGTACCCCTGCTTGCTCAATAGATCACGACCCTCTCACGTGGACCCCTTAGAGTT
GTAAGCCCTTAAAGGGACAGGAATTACTCCCTTGGGGAGCTCGGATTTTGGAGACGTGA
GCCCGCCAATGCTCCCAGCTAAATAAAGCCCTCTCCTTCTACAACTTGGTGTCTGAGGGG
TTCTTGCTGCGGCTCATCTGCTACAGACCCATATTAAGAAACATCATAATCAAACCAT
CAAAGCTAAAGACAGGAGAATACTGAATGCCCCAAAGAAGTAACTCATGATTTTGAGAAA
TCTTCAATAAGATTAACAGCTGATTTCTAATCAGAAACGATGAAGGCCAGCAGGTAATAG
CCTATGTAATCAAAAGTGGTGAAAAAATTCTACCAAGAATTAATATATGCGGAAAAAAC
TATCCTTCAAAATGAAGGATAAATCAAGATATTCTCAAGTAAAAATAAAAGTGAGAGAGT
TCACTGCTAGCACACCTGCCCTACAACAAATGCCAAAGGGAGTCCCTTAGGGGATGAAATA
AAATAACACTGGACAGGAACCTCAACTNCCCTATGGAAAAATAAATGCCAAGAAAAGGTAT
AAACCATAGGTAAGTGGNAAAGACACTTATAAGGCATTTTGGCTTGNAATTCCTTTCT
TTTTAA

Sequence 3547

CCGCGGTGGCGGCCGAGGTACGCGGGGGGCGCCATTTTGTCTCGGCAGCGGTGGCCCGTA

Table 2

GCTCCATCGCATTTTATGTTTCTGGCGAGAAGGGAACGGAGTTTTCATCAGGTAGATTGG
TTTTTG

Sequence 3548

CGCCCGGGCAGGTACACATAGGTATAAACAAACATAAACTGACTTGGAAGCGATTCTCA
GCAGTGCCCCATTGATCTGCCCTGCCAAGTGAAGTGGCTGCCAGTGACAGGGCTTACCTTTA
TGTCCCTTGAATGGAGCCAGCCATTGCTGCAGGTGCAAACACTTGTGATCAGCAC
AGTGCTGCGCCTGGCTTTACATGCAATACATGTTCCAAGTGTTCAGGATTCCATAGCTGC
TTCATTGTGCTTGTGGTCAGCCTGCATATGCCCATGACACAAGTAGTGAACTAAGCA
AGAAAGATTGGCTCAGGAAAAACAGTGGGACGGGACATTCTTATGCAGCCATGGGAGG
ATTAAGTGGTTTCAAGCTCGCTGGCGGAAGGCTACATGCGGTTAGATGACAGTGGGATTG
GTGTACCT

Sequence 3549

GGGCGGAGAGGGGCTGACCGGGTTGGTTTTGATCTGATAAATGCACGCATCCCCCGG
GAAGGGGTCAGCCGCCGTCGGCATGTATTAGCTCTAGAATTACCACAGTTATCCAAGT
AGGAGCCCGCTACCTGCCCC

Sequence 3550

CCGCGGTGGCGGCCGCCGGCAGGTACTTTACTGCACCCAGCAGACTTTCAACAACCTCA
TTGATCCAAAGATACATGCACAGTCTGAGCACCAGCTATGGTGCTCATAACTCTTTAAG
ACTTGAACCCCTTCAATCTGTGTGATTCAATAATTGGACCATGATGATAAGAATACAC
ATTGATGTTTCTGTGCACATGACAGTGTGTGTGTGTGCACGTACCT

Sequence 3551

AGGTACAGCAAAACCCACCTGTGTAAACACACACAGCAAAGTGATGTAAGAAGTTTCCAT
ATAAAGGGCTGCAGTATGGAGAGGTAATGTGCAGGCTGGTTTGGCGCTGTAGGGGCCACC
TTGCTGCAGCTCTCCACTGATATGGTACCTGCCCC

Sequence 3552

CCGGGCAGGTACGCGGGGGAACTGCTCAGTTAGGACCCAGACGGAACCATGGAAGCCCC
AGCGCAGCTTCTCTCCTCCTGCTACTCTGGCTCCCAGACACCACTGGAGAAATGGTGAT
GACG

Sequence 3553

AGGTACAGCNTTTCCTGGAGGATCTCTGGAGCGATATAGTNTGGCGTGCCACAGAATGTG
GCCGTGGTGACACCATGCAAAATCCCCTCCTTGACATTCCGAAGTCTGCCAGTTTACAG
TGACCTCGTGGTCCAACAGGACATTGTCCAGNTTCAATCTCTCATACTCAGCCTATAC
CCNATCCTNCANTCTAGCACCCATCTCTACCCATCAGAGNCAGAAATGAACACCCATAGGG
GAGGTGGCCACTGTGTGCCCCCGCGTACCTGCCCC

Sequence 3554

AGGTACGCGGGGGCTGAGCTCTTGGAAGACTTGGGTCTTGGGTGCGAGGTGGGAGCCGA
CGGGGTCTCACTCCATTGCCAGGCCAGAGTGCGGGGATATTTGATAAGAACTTCAGTG
AAGGCCGGGCGCGGTGGCTCATGCCCGTAATCCAGCATTTTCGGAGGCCGAGGCTGGAG
TGCAATGGTGTGATCTCAGCTCACTGCAACCTCTGCTTCTTGGGTTTAAGTGATTCTCCT
GCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCATCATGGACCGATCTAAAGAACTGC
ATTTCAGGACCTGTTAAGGCTACAAGCTCCAAGTTTGGGAGGTCCAAACGTGGTTCTTG
TTGACTTTAAACAATTTTCTTGTGCAAAATNCATTACCCTTGTTAAATAAGGNGGCCCA
NGCCTCAACCGGGGTTCTTTGNGGTTCTTTNAAAAATTTCTTTNCCCAGCNGCCGTT
TCCNTTTTGCAAAGGCACCAAAAAANCTTTGTTNTTCCAAAGTTCAANAAAAGNCCGGG
TTTCAANAAATCCAGAAAGNCAANNAAGCCAATTTTGCCAGGGGCAACCCAGGNGGTA
CCTTTGCCNNGGCGGGGCCGTTTNTTANAAAAANTNAGNGGGGATNCCCCCGGGCTTG
CNAGGAAATTNCGNAAATCCAAGCCTTNTTCGAAACCGGCCNACCCTTGAGGGGGGGG
GGCC

Sequence 3555

Table 2

AGGTACAAGTTCGGCTTTGAGCTTCCTCAGGGGTAAATATCAGCTAAATGCATCTTTGAA
CTTTTCTGTCTAAAATATCTTGCCCTCCTTTGATCACTTACTGTTCTTGGAGAGCGTTTT
AAAATTTTCATTTTCTTGACACAGGCCTCTGGGAACATCCTTCAAAGGAAAATATGGGTGT
GTAGACTACTGGGTGAAGGCTTTTCTTGACCGCCCGAGCCAGCCAACTCAAGAGACAAAAG
AAAACTTTGAAGTAGTGGATCTGGTGGATGTCAATACCCCTGATTTAATGGCACCTGTG
TCTGCTAAAAAAGAAAAGAAAGTTTCTGTCATGTTTCCTGATGGGCGGGTGTCTGTG
TCTGCTCGAATTGACAGAAAAGGATTCTGTGAAGGTGATGAGATTTCCATCCATGCTGAC
TTTGAGAATACATGTTCCCGAATTGTGGTCCCCAAAGCTGCCATTGTGGCCCGCCACACT
TACCTTGCCAATGGCCAGACCAAGGTGCTGACTCAGAAAGTTGTCATCANTCAGAAGCAAT
CATATTATCTCAGGGACANTGCCGCCATCATGGCCGTGGCAAGGAGCCCTTNGGGTTTCA
GAANANTAGGCCTTCTATTCTGGGGCTGCAACCATTCCTTGGAGNNGGAATATTCNTTAC
TGGGGGGGAN

Sequence 3556

ATATAGGGCGAATGGACTCCACCGCGGTGGCGGGCCGAGTACAGGATCTTGCCATCACCTG
TTCGGTCAAACAGCTGGAAGGCCTNCTTGAAGTCTGCGGTCTGGTCTTCGGTGAAGTCAC
ACATCTTGACTGCTCAGCTCTCCGGGACCTTTCTGTCAGTAATGGCCCCCGGTACCTG
CCCG

Sequence 3557

GNGAATTGGACTCCACCGCGGTGGCNGCCGCCCTGCCAGGTACGCNNGGGGCTGAAACCCG
CAGAGGAAGACGCTCTATGGATTTAGTCCCNGACTAGCGAGATGGNAAGGCTGNNGGACN
GGAGGCTGATTGAGAGGCGAANGTGTGNTGAAAAGTACCCCTAANAGCCAAAATGGGAAA
GGAAAAGACTCATATCAACATNGTTCGTCA

Sequence 3558

GGGCGAATTGGACTCCACCGCGGTGGCGGGCCCGCCGGGCGAGGTACGCGGGTAGGGAAGCC
TGTGATGACTACAGACTTTGCGAACGCTACGCCATGGNTTATGGATACAATGCTGCCTAT
AATCGCTACTTCANGAAGCGCCNAGGGGGCCAAATGAGGCTGANGGAAGAAAAAATCTC
TTTTNTACTGGAGGCTGNGCACCTNATTTGTATCCCCCTGTAGCAGCATTACTGAAATA
CATANGCTTATATACAATGCTTCTTCTGTATANNTCTACTTNGNNTGGCNTGCACCCC
TTTTTTCCCGCCCCCAGTATTTGATAAGGTAATGAANAGTGCAGTGAATTTGAGGGGT
CNAAAGTGAGAAAGTCAACCATATGTGAATTGGNACCATAAAAAAACTTTTCTGGTGTNG
ATACTTTTCAAAAAAAGAAANTCAAACNTTTAATGCNTTTTGTCTCTTACNTATATANN
TNTTAATTATGNATNAAGGGTCNCCCTCTGGNCCGCTTCTTANAAAACTTAAGTGGNAAT
NCCCCCGGGCCTGCANGGAATTTNCGANANTCAANGCTTTNTCNGATTCCNGTCCAACC
TNGANGGGGGGGC

Sequence 3559

CGAGGTACTGCGAGGTCACCTTCATGGATTAGCATCCTGCTGTGAGCTGAAAGACTGAAC
AAGCAGAAGCATAAGCCAAACCCATCCCTCCACGCTCCCCACTGTGCAGATGGACTTACT
GAGGCTCCAGCATACACTGCTTGCTCAGCACTTTATCTATTTAGGCCAAAGTGTGAGCA
GAACTGATACCCACAGGGCATCCAAGTCCACATCCAGACCCAGTTCCCTCTGCGGCCCTC
TCTTAAACCGAGCCGCTGACTGCTGATGGTGAGTTCCCAATCATGGGCTTGCACTGAGGG
GTGCCAGAGGCCTGGGTGGGCATGAAGCCTGGTGGGTATGGAGTGAAGGGGATTTGGGAG
TGGCATCTANAAGGTCAGCATGAGGGGCANAGAGGAGAAAAAAGAACCCATNGCTTGAC
CCACAAGGGGAAACNNGGCCAATGCACAGACCGGGGCCCTAGTTAAAGCCCAATTCANG
CCAACTTGCCCTTCAGTGTAATACTTGAGTNGGAACAAGGACAAGACTTGATAAATTG
AAGAAAATTGAAAAAAGCTTAATTGGGCCAGGGGGCCCCACTTGGCTTNTTGNCTTGCA
AGGGNNGGCCACCCCTTGGTTGTGAAAACCGNAATANCAAAGTTCCTTGNCCNNGGGCCG
CCGGTTTTTAAAAATAAGTGGGATCCCCCGGGCTTGACAGGAATTNNAATTTAAACNTNA
TTGNATNCCCGTCGACCTTNANGGGGGGGGC

Sequence 3560

Table 2

CCGCGGTGGCGGCCCGAGGTACAGTAAAAGCAAGACTGGGCTTAAGCAGGTCTGGACGGC
ACAAGTAAACTGCAGGGATTAACAGCCCAGACTCCCCTACTGCTTGTTCCCTCCTTCTTGT
AAGTTTTCTAGACCCACATTTAAGGCCTCATAGGGAGGATCCTAAGGCCAGTTAGCAGGA
CAGGAAAAAGGCACGCTTGTATGGATGGACATGCGCAGTGTGCTGGCACC GGCCAGAA
GTGAGAAAAGGCAGCCCCACTCAGGGATGGCCTGAAAGAGAGGGGTGAAGGGAAATCTTC
CCAGTGGGCAGAACTCTGAGCAGTACCTGCCCG

Sequence 3561

AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTGAGCTCCACCTTT
TCAGTGAACCTTTACATTTTGGGGGATCTGCTCTTGTAAGGACATCCTTTCTGGTCTTT
GATTACTTGAGAAAAGTGAGTGAGGTGGGGCCAAGATGGTTGACTAGAAGCAGCTAGTGT
GTGCCACTCTCACAATAGCAGGAAGAGTGGTGAGACACTAGCTCTCAACCGGAACATC
CAGGTGGACACATAAGGATTCATCAGTGACATAGTGTGACCTTCGGATCACGGAGAAGAG
TGAGACAGATCAACCATT

Sequence 3562

AGAAGGTCCCGGCAGCAGCAGGAAAGAAGACGGACCCCGCGATGAGGGCGGCGGCAAGGA
GCACCTTCATTGTTTGCCGTTCCGAGAGGGCGCAGCATCCCCGCGTACCT

Sequence 3563

CCGGGCAGGTACATCAGGGGTGAAGGGAGGGTTTTCTAGATTATTGGGGGAGGGTAAAA
TGGGATTTTTTTGTTGTTCTTTTTGATGGGGTGTGGGGGTATAGTACCTCACTCCCAC
GCCCCCGGGTGGACAGCCCCCGCGTACCTCNGCCGCTCTANAA

Sequence 3564

GGAGCTCCCCGCGGTGGCGGCCCGCGGGCAGGTACCATAGAACAAGGCTTCCTCCAACA
GGCCCGAGAGTTAGTGCANGCATCCATGGCGCAGTCGAACAC

Sequence 3565

GGAGCTCCCCGCGGTGGCGGCCCGAGGACGCGGGGAAGCGGAGCAGGTGCTGCAGAAGTTT
GTTCAAAACAAGTGGCTGATTGAGGAAGGGGAGTTCACNCTGCGCGGC

Sequence 3566

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAGAGGAGGAGATGGACGATC
AGAGCCATGCACCTGTTTCTGCACCCCCTGCGCACTGGTTCTATGNNCACAAGGAGTCT
TACCCAGTAAAAGAGTTTGAGGTGTATCCTGAGCTGATGGAAAAATCCTATGTGCCGTTT
CCTTGTGGGTTGGACCTTTACGATGTTCTTCAATATCCATGACCCAGACTATGTCAAGA
TTCNCCTGAAAAGACAAGATCCCAAAAGTGCTGTTAGGCACAAAATCCTNGAATCCTGGG
TTGGTCGAGGACTTGTGACCCTGGATGGTTCTAAATGAAAAAGCACCCGNCAGATTGTG
AAACCTGGCTTCAACATCAGCATTCTGAAAAATTCATCACCATGATGTCTAAGAGTGT
TCGGATGATGCTTGAACAAATGGGAGGAACACATTGCCCAAACTCACGTCTGGAGCTCT
TTCA

Sequence 3567

GGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCGGCGCACTTCCGTA
GAGGTGGACATGGCGTACGAGCTTTCGCCGCGNNGTTGCTTGCCAGGTNTCCAAGAGTGT
TGAATCTTCCACCAGAAAACNGATCACAT

Sequence 3568

GCGTAGCGGGGGGGGATAGTTANGTTTGGCATAATTCTCCCTCTGAGTNTCTTGAAGAA
CTTAGGGTATCTTGGCTATACTAGTGGATTATCCTTGAGCTGTATGGCTCTTCTTAATT
GNGGNTATTTACAAGAAAT

Sequence 3569

TGGGGAAGAGAGGGGAGNAAGAGTAAAGAGGACTTTGTCTTGCAATTGAAGTCCTCTTGT
GAGTGGGGATTCTAGCTCCCAGAAACCATTTTTAGAAACACCCTGGGCNAGAAGGGAAC
CTGCTGCCATGAAGGAAAGGACCCAAGTANTTTCGGAATACGTACCTGCTGACTAAAGA
TCCCTTGAGCCTTNGATAACCAGNAGCAATATCCAAGTAAGTATACCATGGGCCTTGGGT

Table 2

NAGACTCTTGAAACTTNTAGGCTCCAGGTTNAGACCCANCATATTGCCACCTGTGNGTGG
GCTATTGTGAGGAGACTTNTCTGCTTGAGAAAANCTGAANGAAAAA

Sequence 3570

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTT
AAATTCTCATGACTTTATTTTGATTGGGTGTTCTGACGGAGTGGGTGGAAGGTTATGG
ATGTTTGATCGAGACCTTTTTATCTTCCGGAGACACGATGCTACCGTGCATAACACAA
AACAGCACCGATAAAAATGNANNAATANGAAAGAGTGCCAGNGGAATCAAGACTTTAAGGC
ANCATCCCACTGGGGAAANCAGCTCTTCAAACACNGTCCTTCAAGCGCGAGTGGCAAAT
CCTTGCNNGGGGAGGGCTGANGCGCACTTTGCTACTNGANCTTGCCACTGACTCTCCCCNG
GACTNCAGTNANCTCACTTTTCAGNTCCATAAGCCCCCNCAGCGGNNCCNNNNACCTG
CCNNGGCGGGCNCNCTCNAAAACTAGNGGATCCCCGGGGCTCCAAGAAATTCAAATATC
AANCTTAATCGAATCCGTCTGACCTCGANGGGG

Sequence 3571

TACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCACCGACAG
CGCCACATGCCGGCTCTGGAGGCCGCACTGGATATCCTGGGCGCGCTGCCTGGCGGCAC
CTGAACCTCAATGAACACCTCCTCCAAGGTCTGGTACCT

Sequence 3572

CGGGCAGGTACTGATCTGGTTCCTCACTCAGAGATCTCTCGTAAGATGCAATCTATCAGGC
AATGTCTACCACACACACATGCGCGAGTGCGCGCGCACACACGCACACACACGCAGAG
GAAGACAGACAAAACCTCAGACAGATTACATCAGCAAAAGTNAGGACTAGAAAAACCAG
AGGAAACACANGATACTTCTCATTTNTAACACCAACTCTNCCAAGGTACATTACAGAGTN
ANCCAANCNAGAGACCACTGGCTCCTGTGGTTATTGGGTTAAACAGCAGCATGATGCTC
CCTCTCAACTCTAACCAACAGAATTAACCAATGACCCC

Sequence 3573

ATACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAG
GTACGCGGGCTTCCACCATGTGAGGACACAGCAAGAAGGGGCTGACTCTGAACCAGGAAG
CTGTGCTGTGCTCACCAGACACTTTGATCTTGGACTTCTCAGCCTCCAGAACTATGGGGT
TCTGCTCTTGTACCCAGACTGGAGTGAAGTGGCACAATCTCGGCTCACTGCAACCTCCG
CCTCCCGGGTTCAAGCGATTCCCCTGCCTCAGCCTCCAGAGTAGCTGGACTGCAGGCGCA
CGCCACCACTCCTGGCTAATTTTTGATTTTTAGTAGAGACGGGGTTTACCATGTTGGC
CAAGATGTTCTTGATCTTCTCACCTTGATCCCGCCACCTCAACCTCCCAAAGTGCTTG
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CTTTTATTGAAATTTACCAATCAAGAAAGGCATAAGAACCACTGGCTGCAGNTTNNAGAA
CTATGCCAGAAAATAAAATGNTCACNAGCTTGGAAGAAAAAATTNTTAGTGAGCCAACAG
AGCCNGTGGAATAATTTCCAGTNGAAGCNGGCCCTTAAACANGGGAATNGGCGCTT
TTAAACTAAGTGGAANCCCCCGGCTGCAGGAATTCNNAATTNAACCTATCGATCCCGCAA
CTTTAAGGGGGGGCCC

Sequence 3574

CGCCCGGGCAGGTACCTAACCAGAATAGATGAGGCAGCAAGAGAATGGCGCTCGGTGTGT
GGGGTAAGGGGAGTCAGGAGGAGGACGGGCTGCTCGTGAGACAGGGTAGGATGGACTGTG
CCTGGCTTCTCTCAAGCCCCCAGGCTGCTACCTTGGTTCTAGCCACCTTCTCCAC
CCTCCTTCTCATGCAGGCTGCCAAAAATTGCACTTTGGGTCTGAGATTAGGAGCGCCTGG
CCATGTCTGAACCCCGCTCCTATCTTAGTGGCCGCAGGTGGCTCCAGGAAAGCATGAAT
CCTGAGGTTTTACTGGTAAGCTGGGAGGGATTAAGTGGGATCCAGTCATGTGCTCCACCC
AGTACCT

Sequence 3575

ACTTTTCTTTCTGTNGGAAACAAAAGAGTTGTCTTAATTTTTAATCTGAATTCTGATTAT
ACAAGTAAATTCATCACAGTTATTCAGACCATTAAATAGGATCATAAACACATTGAGCA

Table 2

TTNTGCTNTTGCCCAAGNGTCAGGCACCATGCTAGAGCCCCACAATGTCACCCTCCAAG
TCTNATAGCAAATGCAGATGAGACTTTTGCATTGATTATGAAGCCTTCTATGACATCTG
CTTNANAACCCCTAAAGCTGCCCATGCCACCTAGAGNGACCTAAACCTCCTAGTATCTGC.
CACCATAAATGGGTTGCGCCACCTGCCTGCGAT

Sequence 3576

AGGTACNCGGGGGGCGCCATTTTGTCTCGGCAGCGGTGGCCGTAGCTCCATCGCATTTTA
TGTTTCTGGCGAGAAGGGAACGGAGTTTTTCATCAGGTAGATTGGTTTTTGT

Sequence 3577

.CCGCGGTGGCGGCCGCCCGGGCAGGTACCTTCCCCGAGATGGTGGATAAACTTATCTTGC
TGGACACGCCGCTCTTTCTCCTGGAATCAGATGAAATGGAGAACTTGTGACCTACAAGC
GGAGAGCCATAGAGCACGTGCTGCAGGTAGAGGCCCTCCAGGAGCCCTCGCACGTGTTC
GCCTGAAGCAGCTGCTGCAGAGGTTACTGAAGAGCAATAGCCACTTGAGTGAGGAGTGCG
GGGAGCTTCTCCTGCAAAGAGGAACACGAAGGTGGCCACAGGTCTGGTTCTGAACAGAG
ACCAGAGGCTCGCCTGGGCAGAGAACAGCATTGACTTCATCAGCAGGGAGCTGTGTGCGC
ATTCCATCAGGAAGCTGCAGGCCCATGTCTGTTGATCAAAGCAGTCCACGGATATTTG
ATTCAGAC

Sequence 3578

AGGTACATAAATCCATTGGCCTGAGAACCACACCCTTATCCCCCAAAGCAGCTGCAACAA
GCACTGCCCAAAGAGAGTCTGGGCTTACATATGCCTAACCTGCCCCCTACCTGATGGTCT
TTCTTTACCAACCCCTGGTAGCCAAAGGCAAGAACATATTCTCCTGGGAGCTCTAGGACC
TCACCCATAGCCTGATTATCCCTATGCTACCACAGCTGATGCTCTTTTGAAGCACATA
TCCTGGAAGGATGCCAACCAGCACAAAAGTGTGCAATAAACAACAACTACAATAAGGAC
CCTCAGAGAGTCAATTTCACTCCCCTACCACCTCCATCAAGAACAGGTGCTGCTATTCGT
GGCTGAGAAACCTGAAGACAGTTCACATCACAGGATACTGTGTAGACACCCCCTAGTACG
CTCTAGAACTA

Sequence 3579

TTTTTTTTTTTTTTTTTTTTTAAACAGTCTAATGATACCTTTTGCTCCACCTTCAA
AACTGAGCCAGTCTTCCACAGTTAGGTGATCTTTCTTGCTCACTGTAGCTCAAAAGTAA
CAAATAAAGTCTCGTCTCAAAGACATCATTTTGTAAGAAACACAGAACTTTCAAATGT
CAAAGTCCCTGATTCTCATCTGTGTGCGGCTTCTGAAACATTTGTCTGACTTTTCTTCG
GGGCAGATTAACTCAGTTTATGCATCAGCTGATGTATCTCTTCAATATTCAGCAAGCC
GTCACCATTTCTATCAGCTTCTCAAAGGTCTGCTTCAACCATTTGGTCATGGGTCTCTG
CCTTTTGGCAAGGGAGTCTTCATCACTGATGCCAGCCATCAGGTACCTGCCCGGGCGGCC
GCTCTAGAACTA

Sequence 3580

CCGCGGTGGCGGCCGAGGTACAAGGCAAATACTGCTTTATTTTTCTTCAGCTTTCTCAA
GCAGAAGAAGTCTCTCACTATAGCCACCACAGCTGGCAATATGCTGGGTCTCACCTGGAG
CCAGAAAGTCTCAGAGTCTCACCACAGGCCCATGGTATACTACTTGGATATTGCTGCTGG
TTATTCAAGGCCCAAGGGATCTTTAGTCAGCAGGTGACGTATTCCGCAAGGACTGGGTCC
TTTCCTTCATGGCAGCAGGTTCCTTCTGGCCAGGGTGTTTCTAAAAATGTTTCTGGG
AGCTAGGAATCCCCACTCATCAAAGAGGACTTCAATGCAAGACAAAGTCCTCTTACTCT
TCTCCCTCCTCTCCCCAAGAGGAAGGAAGGGTCTCTTTGGAGTCAGGAGCTGCATTCCC
TGGGGTTGGGAAGGGGTAAGTACCTGCCCGGGCGGCCGCTCTAGAACTA

Sequence 3581

AGGTACACGATGGCTTCCAGGAACAGGCTCACCAATGAATGAAGGAGAATGAATACAATG
ATCATGATGAAAAAAGATTTAAATTTCTTGTTGATTGGCATAAAATGTTGAAACCAACA
AAGACAACATAAACTCAGAACAGGTCCCTGTGATGAGAGCATCAAAGCCTCGCGTGGTC
ACCAGTGTGGCCCATCCAAGAAGCATGTAAGGTGAGGTCCCACATGAGAAAACTTGACAC
AGCCATGCCCTGAACCTTCTCTGCTACCATATCAAAGAAATTTGATTGAAGTTTGTTC

Table 2

TCTATAGAATATGGCATTGCAAAATCCTTGTTGTACCTGCCCCG

Sequence 3582

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGGGGGTTACATTATTGTAA
CTTGGAAGCCCACCCCTTCTTCTACTCCTGGAGCTGTCTGCCCCAAGGGCTCAGGAATTA
NCCTTGCTCCACAGCAAACAGCCCANAGGCCCCACCTGGGCAAAAGCAAACAAAACANAT
ACGTTCTTTCCGGCAGGTGCAGATGCTCTGCCCAGGCCTGCGGAAGCCAGCTCCGGTCT
GTGTGTAAATCCTCCCCAGGACTTCCGGCCCCACCAGCTCCACCCGCGTACCTNGGCCGCC
CGGGCAGGTACTTTGCTTATTTGNGAAANAAAAGGAATTTGAATCCAGGTCTGGGCACCA
TCAAAGCCTGAGGGCTTCCCCGTGTTGCTGNGTAAATCAGCTAACTACCAACCTGGGAG
GTTGGTGCTATGCTGTTTCCATTTTATTATGGAGAAGGCAAGAAGGTAAGTGGCTTGCCT
GGGATCGCATAGCCAGTAGTTTGATACAGTCAGGACTAAAAAA

Sequence 3583

CCGCGGTGGCGGCCCGAGGTACATTACCCCTTAGGCTGACCATTCCCTTGCGGGGGCGCAA
AACTGCTTTGAGGAAATGTCCCCAGGAGGAATAAACTAGAGGACGCACCTGCTATNTCAC
CATNCTATGGANAATCAGCTAATGAAGTGGTGGCAGAAGCTTGGCCCGTGTGAGTGCCCC
AGGGTAAAAGTCTCTTCTGTCCAGTCCAGAGEAGAGACTTCTCCCCCGTGGACAGCAN
CCTGCCACCAAGACTCA

Sequence 3584

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCTTCCAGCTCAATACTTCCATTTATTAGGA
AGCACATTAACCATTTCTATAGCATGATTTCTTCAAGTAAAAGGCAAAAGATATAAAATT
TATAATTGACTTGAGTACCT

Sequence 3585

CGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGA
GTCTTTTGCTTCTCCACCCCTAGGGGGAAAACTGCTTTGTGCTTTGGGAAGNNNGGG
CTCTGAAACCCGGGGACANAAAACTNTTTTTTTTNNTATNGNGGGAGCCGGGAGGATGG
GCTGCAGCCTGTGG

Sequence 3586

CCGCGGTGGCGGCCGCCCGGGCAGGTACATTTTCTTTTTTTTTTTTTTTGTGGATGGG
GACTTGTGAATTTTCTAAAGGTGCTATTTAACATGGGAGGAGCGTGTGCGGCTCCAG
CCCATCCCGCTGCTCACTTTCCACCCCTCTCTCCACCTGCCTCTGGCTTCTCAGGCCTTT
GNTTTTCCNANCNNTTCTTTTNGAAACCCNATCCTCCACAAGCTGCAGNCCNNTCTCC
CGGCTCCCTCCTAGTCTGTCTGCTGCTCTGTCCCCGGGTTTTNANAGAACAACCTCCC
AAAGCACAAAGCAGTATTTTCCCCCTAGGGGTGGGAGGAAGCAAAAGACTNTNTACCTCG
GCCGCTCTAGAACTAGATGGGATCCCNCGGGCTGCAGGAAATTCNGATATCAAGCT

Sequence 3587

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTT
TTTTTTGNTTTTTTTTTTTTTTTTTTTTTAGNATCGANCTNTNNTAATNGGANGGNC
NATTTTNGGGAGGAAAAAANANATTTTTNTTTTNTGTTGNGAGCCGAGGCACGGNTGC
ANAAGCGTGTCTGAGGTGTCCGGGGGNGGGGNGGNNNNACCCNNNNCNCTGGGACTATAT
CACCCGTGCCTGGGNGACCNGCACCCGCGTCAGGATGCAGGCAGANCCCTGCAAAAAGTG
TCTAAAATTCACACTCCTCTTATGGAGGGACCTCGATCGGTTTTAGGATAGAAGCNCC

Sequence 3588

TCACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCACA
TGCCGTGAATCCCAGCTACTTGGAAGCTGAGGCAGGAGAATCTCTTGAACCTGGAAGGCG
GAGGTTGCAGTGAACCAAAATCACGCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCT
TAGTTTTAAAAAAAANCAATNTTTGNGGCGATTNTGTTTTATANGGAAAATATTCAGA
ATTGGTAAGTCCATAAGGACAAAAACCAGATTGACAGGGGCTGAGATGAAAAAGAGAATG
GGGTATGGGGAGTGACAGCTTGATAGGTATTGGGTTTTGTTGGGGGAGATNATGAAAA

Sequence 3589

Table 2

ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGTGTCGTCAGATGTCANGGC
TGCTCAGCTCCATGTAGGCTGTGTCTGTAGATGTGTCTCGGTCATGACTCTGCCCT
GGAACCTTCTGTGCGTAGATTGTTTCACTATCTTTAGGATCAAAACCTCCCATCCACTCAA
GCCCTTTTCCAGGAGCCTGTGCGACCCAAGGGCATGGATAATTTCAAGTGAGGGGTGTAT
CCCGGAAACCTTGCAAGAGACCTTCACTGAGGCCCCAGGCTTCTTCACCTCAGCCCCAGA
CTGTACCT

Sequence 3590

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGG
GAGTGCCGTAATGGCGTTCTTGGCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTN
GNGGCTTTATAAGCGGGCGCTANACCACNTTNGTCNTGGTGCGTCCAGAGAGACAAATA
CCGATACTTTGCTTGTTTGATGANAAGCCCCCGGTTTTGAAANAACANTAAGAATTGAAA
AGGGATATTGGGCGAAGGCCCGCCCCAGCTTGCTTGAAAGGAAGGCCCGAGGGAAGAAAT
TCTGGTACCTCGGC

Sequence 3591

CCGCGGTGGCGGCCGAGGTACGCGGGCAACTGTGTTGAAATCAAACCTGCCGCAACAGAA
ATTGTTTTTATTTTCATGTAAATAAGGGATCAATTTCAAACCTGCTTATGATATGAAAN
TATTAAACCTAGTCTATTGTAGTTTTATTCACTGGTTTTCTGTTTTTGGTTATTA
AANGGGTTTTCCCTNTTTTTNGGCTTATTAANAANANACTAAAAATCAATAAAAAATNAANGT
ACCTGCCCC

Sequence 3592

CCGNGCTGGTACNCGGGGACATTNAGAGGTGAGCCAGAGCGGGTCAAGCGGACTGGNGA
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AGCCTCACAGCACTAANACCAACCCAGCTCTCANAAGAAGGAATGTCAAAATGTCATGT
TCAATTTTACATTTCAGTGCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAG
GAGGTGAATCCATGCATTAATCTTCAGCTCACAAGGAAATACTACATAAGAAGCATGAC
CACAGACTCAAGACGGACATAATTGGATTTTTTTGCCATGGCCTGGAAAGAAAGGTACC
TCAGGCCGCTCTAGAACTAG

Sequence 3593

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTCACCCAGGCT
GGAGTGCAGTGGCGGGATCTCGGCTCACTGCGAGCTCTGCCTCCCGGGTTCACGCCATTC
TCCTGCCTCAGCCTCCCAAGCAGCTGGGACCACAGGCGTCCGCCACTACGCCCCGGCTAAT
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ACAAACGGATCAATGAATGCTAGGGGTTTGAAGGCGGGGCAGGGGCGTNTCTNTTAAGA
GACAGCNCGAGGGAAGATTTTGGGGATGGGTGAACCTGGTCTGGATCTTGGATTGGGGG
GGATGATACCNGGAATCTTTTACCATGNNGTTTNAAAATGNTTTNGGAAGGTGGTNTACC
CAAAAAATGGNCAAAGTTTTACCTGGGCCTGGGTAAATNTTAAAAACCAAANTTTTAA
A

Sequence 3594

AGGTACGCGGGATTGTCAAGTGTCAATTATAAAATAGAGGAGATAGTTTTAAATGATTGATA
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AGAAAGTATATGTGGGTAAACTGCAGACAGCAATACTCATCATTTCTCAGATTTTGTAT
TTACAACCTCACCTACTCACTAAAATGATTTGTAGCCCTAAAATCAATGCTCAGGGCAC
TTTTGCAGGCATTCCCAGATGTGCAGAGCAGTGAAAAATGCCTGTCACCAATGTGCATGT
TCCTGGCAAGGTCAAACAAGGTGACTCTGCTCTCTTGTTCAGCTCTAATGCCGTAAATA
CTCATCCTTTTTGAGGTCTACTGCATGCCATGTTTTTTTTGCATTTTTGTGCATTTTGT
GGTGAGTCTACTGTTGAGATGGCCACAAGCATAGAGCCCCAGTGTCTATGTTCCCTA

Table 2

AGTGCAAGAAACTATGACGTGGCTTATGGAGAAAATATGTGTGTTAAAGAAGCATNCTT
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Sequence 3595

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GTGGATACGCGGACTTTGTTGCTGCTTGCACTAACCTTATGCCTAGCAGCATGCCAATGT
AAGTGCCCTCAGCTTGTGTTGGGGGAGACTGGGTATAGAGGTATAGATGGGAGGGCACCCCTG
CCCTGAAAAGGAAAACCTGTAACCTGAATTCCAGGTACCT

Sequence 3596

CCGGGCAGGTACAGCCAACATATTTCTCTTTTTGGCCAAACCCTGACCACATGCCACACG
CAGATTCAGTGTCCATCAGCAAGATTGACATTGAAAAAGATATCCAGGCTGTAATGGAA
GAACTGCAATTTTATCTACAGAAAACAAATCTGAGTTCCTGTTAACGGATTACTTTGAA
GAAGATCCTAACAGTGCAATGGATAAAGAGAGACGAAAGTCTTTACTAAAACCAAAATTA
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CCTGGCCGGAAGCAGCTGGAAAAAGACTCAGAAATCTTCACAGTGAATGGGATTCTGGGAG
AGTCAGTCACTTTCCCTGTTAATATCCAAGAACCACGGCAAGTTAAATCATTGCTTGA
CTTTTAAAAACATCTGTTGGCTTATGTAACAGTAGGAGACTTAAAAACAAGGNANNNGT
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TACAAATTT

Sequence 3597

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCCGGGCAGGTACCGCGGGTGATTGCG
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AAAAAAACAAAAACAGAAAAATAAACTAAGGCAATGACAGTCCCTGGCAAATGCTGGGA
GGGAGGCAGCAGTGGTCAGGGAAGGTAACCCTGAAGCAGGACTTGTAAGTAAATAAGAT
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AAGTGAACCCCGTCTTTACTAAAAATACAAAAAATTAGCCAGGTGTGGTGGTGGGTGC
CTGTAGTCCCANGCTACTTGGGGAGGCTGAGGCNNGAGANTCTCGNACCCAGGAGGCGGA
NGTTACAGTCAGCTGAGACCGCACCATTGCACCTTCCAGCCTGGGTGACAAGAACAAGATT
CCGTCCCAATTTANNNTAAANANTTCANGTCCTCGGCCCGCTCTANANCTAAGTGGGAT
CCCC

Sequence 3598

CGCGGTGGCGGCCCGAGGTACCGCGGGGGAGACACATTCAAGAGGTGAGCCCAGAACCGG
GTAAAGTGGACTGGGGAGAACTTCGAGGATGTTTATGTCCAGGAACAGCCCCCCCCCTG
TATTGTCCGTGTCTTAAACCTNACAAGCAACTTAAACCAACCCAACCTTTTAAA

Sequence 3599

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCCGGGCAGGTACCGCGGAGATT
GAAGTGCTGCGCCAGCGGGTGCTGAGAATTGAAGGCAAAGACGAGGAAATTAAGAGAGCA
GAGGATCTGTGTCGTCTGATGAAGGAGAACTTGAAGAGGAAGAAAACCTCACCCGGGAG
CTGAAATCTGAGATTGAGCGGCTTCAGAAACGAATGGCTGAATTAGAGAAGCTAGAAGAG
GCCTTCAGCAGGAGTAAGAATGACTGTACCT

Sequence 3600

CCGCGGTGGCGGCCGAGGTACGTGACTGGTTACAATCACTACCTGTGAAGGTCAACGTGC
GTGGGCTCATGTGCAAGCCCCAGAAAAGGTTCTGTTGGATGGCTATTAAGGATCTCAATG
CAGAACTGTTTGATTGTAAGGACAGTGGGATTGTAAGCACCATTAGATAACCACTGCAA
TACCAACACAGTGTATCCTGCCCAAGGACAGTGGCCAGCTCCAGTGACCAACAGCCAG
ATATTAAGGAACCCCAAGCTCACTAAGGATCAACAAACCACAGGGAGTCCCTCAAGAAAA
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Table 2

GCTCTACCTATGACTGCTTTGAGACTCAACTGGCTTAACTGGGCCATAACCCGGCATT
GGATCTATAACANAAACAATTGTAACAGGGGAACGCAGTGAGTACCTGCCCCGGC

Sequence 3601

CCGGGCAGGTACCTGGCTGGGGAGGCCAGGCTGACGGTGGTGCCAGTGTCTGAGGAGGAG
GTGAGGGAGGCCCTGGTGCCTAGTGGCTACAAGGTCCGGGACCTCCGCACCTATATCATG
CCTGCCACCTTAGACAGGCGTAGATGATGTCAAAGGGCCGTCTTCTCGCCTGGGCTCAG
AAGGTTGGGCTGTGAGGGCTGTACCTCGGCA

Sequence 3602

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACGGTGAGGCACCATACTGCT

Sequence 3603

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTNGAGACAGAGTCTTGCTCTGTCA
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AGCAATCCTCGTGCCTAACCTCCTGAGTAGCAGGGACTACAGGAATGTGCTACCACATC
CAACTAATTTTGTATTTTTTTTTTTGAGATGGAGTTTCGCTTTCGTTGCCAGGCTGGA
GTGTGGTGGCATGTTCTCAGCCCACTGCACTCCAGCCTAGGCAACAAAGTGAGACTGTNT
NAAAAACAAAAGAAAATGAAACAAAAAACATTTAAAAAGTGCCCATGGGTGATGTTAGC
GCAAAGCCACATTTANACCCACTGCACCAAAAGATGATGACTCGGAGATTGAAATCATN
ATNTTANAGCTCTGGGAGGGGAGGAGG

Sequence 3604

CCGGGCAGGTACAAGCGATTCTGCTGTCCCAGCCTCACAAGTAGCTAGGATTACAGGCAT
GTGCCACCACATCTCTACTAAAAATACAAAAAATTAGCCAGGCATGGTGGCAGGTGCCTG
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TTCAGTGAGCCGAGATCACGCCACTGCACTCCAGCCTGGGCCACAGAGCCAGACTCCGTC
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TACTTATCCACATTACCCTACTGGCCTTTCTCTGACCGGATTGAAGATAAGAATTAAAA
CATTTAAGGAGATTTTAGATCTATGTAAGACAGAGTAATCTGTTCTAGTTTGTCTGAAT
TTGTGTTTGGTTTTTCATAAACATTGGTTTTATTAGGAGAGAAACATTTTAAATATTTNAA
AATCATCTTTATTTAAAGGCTAAAGANGTTAATTTTCATTGNGGTAAACTGGGGATGTGG
AAGACTTANGATTTATTAACANTTAATAGAAGCAATGCTT

Sequence 3605

AGGTACGCGGGGGACACCCTAGATCCCAAGATCTCCAAGATTGTTGGTGGCATACCCACTC
CAGCACACAGAAGCATGAGGTTTCATGACTCTCCTCTTCTGACAGCTCTGGCAGGAGCCC
TGGTCTGTGCCTATGATCCAGAGGCCGCCTCTGCCCCAGGATCGGGGAACCCCTTGCCATG
AAGCATCAGCAGCTCAAAAGGAAAATGCAGGTGAAGACCCAGGGTTAGCCAGACAGGCAC
NAAAGCCAAGGAAGCAGAGATCCAGCCTTNTGGAAAAAGGCCTAGACGGAGCAAAAAAG
CTGTGGGGGGACTCGGAAAACTAGGAAAAGATNCAGTCGAAGATCTAGAAAGCGTGGGTA
AAGGAGCCGTCCATGACGTTAAAGACGTTCTTTGACTCAGTACCTTGCCCGGGGCGGCC
GNTCTAGAACTAGTTGGATCCCCCGGGCTGGTAGGGAATTCGATATCAAAGCTTATCGAT
ACCGGTCGACCTTCTAGGGGGGGGGCC

Sequence 3606

CGCGGTGGCGGCCGCCCGGCAGGTACGGGTAGTTTTTGAGCTGACAGCAGCAAAGGCAC
CATAAGTCAAAATATTGGTTTTGGTGGAGATGATCGATGTGTGTGTGAGAGAGAGCTA
TGTTTCTAACCAAGGGCCTAATGTTTGTTACAGAAATGATCCCAGAGACCTACAAGATGT
GGGAATCAGCATAACAGGGCAATGCAGCAATTAACCCACATCGNTTCTGTAGTTCCTT
TTTGTTCATTTTCTTCTGTCTCACCTCGTTAGAAAATTCCTCCCAGTCAGGGGTCTGTC
AGTGCANGACGGGGACCCAAGGGTCTCAAGCCTGCAAGTCCAGAAGGTGACAAACCCAG
GAGCACTGGGAGTTAAGCTTTCTTGGGGAGGGAAGAGCCTTGATGTCCAGCACACAGCC
TGNCTATAAAGACACGAAGCGACCTACCCA

Sequence 3607

Table 2

CGCCCNCGGCANGTACTCTNGNCCNNNCNCGGTTTTTTTTTTTTTTTTTTTTTAAAANTNA
ATAANTTTTAATTNAAAAGATATTTAAANATTTAANTTCAANAATNCTATTNTTTTAANN
TTTTTATACACATNGTTTTAATAAAATAAATTTTTTAATAATTTTTTNCAAATTAAAT
TAAATTTTNNATNAATTATTTTTTAANATNANNNNNCCTTTATANATTANTTTTTATNT
TTTTAATAAAAANAATTTTTTTTTATATAAAAANAATTTTTTTTTTAATTATAAAATTANA
AATGANGTTTTAAANTTATTTTATTTATTTAAANTAAAATTTTTNTNTNANTTTTAAAT
TNTNTNNATAANTATAAAATTATTTTTNAAAAATTATTTATNTNTNTNTTTTAAATTT
ATAGAANTAAAAAAATAAATTTTTTAATNTNNAANNNAAAAAAATTNTNTTNAATTNA
AGGTTTTAAAAANANTTTNAAAAAATTTTTTTTTNTTTNAGAAAAANANAATAAAAT
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TTTTTATTTAAAAANTTTTTTATNNAANAANAANAANANTTGNTTAAATTTNAAAT
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AAATTTTGGTTTAATAANTTANAAAAANNTTAAATTTTTNNNTTTTTTANAAAAATTNAN
TATNNTTANAATTAGTTTTNAAAAAATTNTANNTTTAAATATTTTTTNTTNAANTN
NNANATNTTAAAGGTNTAGGTNTNNTNAACAAAATTTTTTT

Sequence 3608

AGGTACAAAACCAGCTTCATTATTTTACCCTCACAGAACAGCTGACTCTAGAATTCTGCT
AATGATACACTGAAAATAAATATACGCCAGACTCCGTGGCTCACGCCGTGAATCCCAGCA
CTTTGGGAGGCCGAGGTGGGTGGATCACCTGAGGTGAGGAGTTCGAGACCAGCCTAACCA
ACAAATGGAGAAACCCCGTCTCTACTAAAAATACAAAATTAGCCAGGCGTGGTGGCGCATC
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AAGAAAAAAGAATAAATATAGTAAAGCGTGTGAACCTTGAAGCCAGGCTACTTGGAC
ATGATCCAGTTTGATCCAGCCATTCACTAGCTGGGTGACTTTTGACAAGTGACATAACAT
CTCTGAGGCTCTACTTCTCTTTTGTAATGGAGAAATCAGCATCTATATAAANGGGT
TATAATAAGGATTAAAGTCC

Sequence 3609

AGGNACTTNTTTTTTTTTTTTTTTTTTTTTTGGNTNGGTAGTTTGTTTTGGTGTAN
AAGGGGAATGTTGTGAAANANAACAGTTGGAACCCAAAAATATACAAATCCACAAATA
CTTAGTTTATGTCTATAAACAAAGAAAAAGCCTTTACTTATNTTCAGAAATGAAAGTAT
AAGCACAAAGACAATTGATCAAATTATTAATTGNGGTCTTCTACTGGAGACTATGACCCA
TGTCATTTTAGTTATNCATAAAGAAAAAATGGTGTAGGTGATACCTAATGTTATCCAT
GTATCCGTGAANAAAAAGTACCT

Sequence 3610

CGAACTTCACTTTTTTNGGGGGNGACCGNAAANTCCGGGNAAGCCCTCCCACCCGGNCGG
GGTTGGGNCGGGGCCCGGAAAGGGTTTNCAAAATCCTAANTTTTTAAAACCAAAGCCCA
GGAANTNAGCCCNCTNAGGGGCCGAGGAAAAATAAAAAATAATGGCAACNAGGNAC
CGTTNTGGCCCAAATTTTTTCCAAAGGAATAGNCCATTTCCTTTTAAAAAATCCAGG
TATTTCCAGGCCTTTCCAAAAAGGAATTGGGGTNTGGCCCCATTAAATTAAGGAACCT
TNAAAAACCAATTATTAATGGAATNGGGCNTAAAAAATAAAGGTTAAT
TANCCGGAAAAAATGGTTAAAAAAGGGGGAAAAATGGTTAAAGGTTCCACCT
TCCTTCAAATTCCTTCCAATAAAAAAAGNNGGTNGGAAGGAAGGTTAAAGGGGAATGGG
CCTTAAAAAGGCCCAAAAAAATTAATAAATGGTTTAAAGGGTTTTCCNTTTTTTTT
TTTTCTTAATTTTTTCCCGGTTTTTAATTTCCAATTGGCCCAAGGTTCTTGGCCTT
TTCCTTTTTTGGGAATTAATTGGNCCCCCTTTAAGGGGGGTTTTAACCCCAATTT
TTTTAAAAAGGNTTTTAAAGGAAAGGGGTTTTTGGGTTTAAAAATTGGGCCAAAAATN
GGGGGTNGGGGGGGAATAATGGGAAAAAATAATTTNGGGAATTNCCAAAAAANTT
AANTTTANCCCAACCCCTTTTGGGTNCCAAATTTTTTCCCAATTTTTTTTCCAA
AAAAATTTTGGGCCCGGGGCCCTTTGGGGGAAAAAACCCTTTTNCACCAAAAAA

Table 2

AAAAAAAAAGGGGGGGGGTTTAAGGGGGGCCCAATTTGGGAAA

Sequence 3611

CCGGGCAGGTNCTTTTACTGCCTCAGACCTAGAATCAGCCATTTCTCAAAGGTGTCCTTG
TTGCTTCCAGTGAAAAAGGTATTTGGATGCTACAGTCTGCACTGAAAGATGTTTCATGGTT
AAATGGCTTATCACTTCCAGACTTTTCAACACAAGATCTAGGAGAGATGTAGTTTTTCA
AAGAAAGATGAAAATAAATAAATTTGTGTGATATTCCAATTCTAATAGAAGGTTAT
AGAGTTTTTACTTATTTGATTTTATATTACATCTTTTTTCCCCTATGCTGAAAATCATGG
CTCCTAAATGATATTAACAGAATTATTTACTTTTCTGCATAATATATAATAGTTTCCA
AAATCTACCAGTATTACAACCTATTAGTAAAAAATGTTAAGATGGTAGTTAAATACCAATT
TAGGCTTTAATTTATCTCATGTTGNTTTTA

Sequence 3612

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGNGAAACCTGTCTCTACTAAAAATACAAAATTAGTCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCANGAGAATCGCTTGAAC
CCANGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAGCTTATNTT
GNACTTCTCTAAAAAAGAANTTGNNGAACGCCTGATGCNCACAAATCTAAATTTGGCAAG
GTCGATCAATTAAAGGATNTTTATTNGCATCACAAAATAATTCTTTNCTCCCCCAAAAA
TCAA

Sequence 3613

AGGTACACGGAGTACAAAAGAACCAAAACACAACGGCGGGGAGGGAGGGTCTACCAATGAG
TGTCAGTGTCTAGTGCTTCCGGGAGCCAACTGCCAGGCTAGGGACACTCAAGTCCCTCAA
ACTGTATCAGCTCCTGCCAGACCCCACTCCAGCATGTGAGGTTTATATGAGAGTGTTT
GGGCCAGACTCCTCCAATCAGTGCACGCATGGGCAGAGGAGGCTAGGGAATCCTGAGCC
CAAAGCTGTATTGGTCCATCCCCCTCAAGAAGTTGTTGGAGCTTTCAGAACCGTTCCCTCT
TTCTTGTTGGTAGACAATGAGATACCCGCTTGTAACTTTTTACTCCATTCACCAAGAAAAC
CTTGNGCCCTTTGAGGTCTAAGTCTTCTTGCTTTAAACCCCTNTGAGNAGCANTGGTTT
GGGATTTAAAGGGAAATAAGNTNCAAANGGGCCAAAGGCNAAGAACCAAAACCTCCCCCTA
AGGGTTNGTCTNTTGGGGCCATTGCCNGTCTTTTTTAAAAAANGGGGAAAANGAAAGA
AAAAAAC

Sequence 3614

CCGGGCAGGTACGCGGGAGTGACTGCAAAGCCAGAAGCAGTGGCTCACCCCTGTAATCCC
AGCACTTTGGGAGGCCGAAGGAGGTGGATCGCTTGAGGTCAGGAGTTCGAGACCAGCCTG
GCCAACATGGTGAAACCCTATATCTACTAAAAATACAAAATGAGCCTAGAGTGGTGGTG
GGTGCCTGTATCCCAGCTACTTGGGAGGCTGAGGCACAAGAATTGCTTGAACCCAGGAG
GCGGAGGTTGCAGTGAGCCAAAATCGCACCCTGCATTCTAGCCTGGGCAACAGAGTGAG
ACACCATCTCAAAAATAATAATAAAAAAAGTGACTGCAGGGGACTGGGAAGAGGAA
ACACAAATCTTTACTGGGGAATGGAATTTCAAGTGATGCACCAACCCTTAGAAATCAC
AAACATCTGACCCCTTCTGAA

Sequence 3615

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTTTAGCTCTGCCTGGTT
TATCGCCTTGTCGCCGAGCCCTGGCAGCCTCTCATCTACCCCTCTGCTTCTGTGGGTTT
GCCGATTCCGGGCATTTTATGTAAATGGAATCGTATGATATGTGGTCTTTGTGATCATC
TTTTTACACTTAGCATGATGTTTTTTCATGTATATTACGGTCGGGTGTGGTGGCTCACACC
TGTAATCCCAGCGCTTTGGGAGGCTGAGGTGGGCAGACTACTTGAGCTCAGGAGTTTCGA
GAACAGCCTGGGCAACGTGGCAAGACCCCGTCTCAAATCTTTTTTAATTGGTAAAAAAA
AAAAAATTAATTAATAATTCNTCCCTTATTGGTATTAATTTGNNCAAATTACTTTAA
ATTTTCTTTNATAATNTGCCCAAAACACACCTTANCCTTCTGGGGTGCCACGNTAAAT
ACAATCCTTTCAAAAAAAA

Table 2

Sequence 3616

AGGTACCTTGCAGGGCTGGGGTAATGTTCTTCAGGAGATTATACATGCCCCATGTCAGCA
TCCAATATATGATGCTGTTTCTACCATAGCCAAGATTCAAGAATCAAGGGGTGGAAATGG
GAGCGGCACCAAGTTGCCATTACCCCTAGTCATCCATTAGCATAATTTTGTCTTCTGTTCT
CTGTTCCCTGTGGCCTTATGCTCTGCTGGTCTAGGGGTCTTAGTGGCTCTCTTCATTAATG
TTGTCTGACACTTAGGCCTTTCTGTCTGCAAACTTGAGTCTTCTTGTATGGACAACAGAG
CATGGAATTATTTTTGGACCAGAGTCTAGATTTACCTAGTCTGTGGAGTCTAGAAGATT
GCTGCGTAATATGGAACAAGTTACTTTGTACCTGC

Sequence 3617

GGCACAGTGGCTCACGCCTGTAATCCCAGCACTTTGGAAGGCTGAGGCAGGAGGATCACG
AGGTCAAGGATTCGAGACCATCCTGACCAACATGGTGAACCCCATCTCTACTAAAAATA
CAAAAAATAGCTGGGTGTGGTGGTGTGCAGCTGTAGTCCCAGATACTTGGGAGACTGAGG
CAGGAGAATCGCTTGAACCTGAGAGGGGGAGACGGAGGTTGTAGTGAGCGGATATCGCAC
CACTGCACTCTAACCTGGGCGACAGAGCAAGACTCCATCCCCAAAAAATCACTACTCTA
TACTTCTAAGAATCTTCTAAGAATCCCTGCTTCTTTTAGTGCACATGAGCTTGGTTCCT
CAGGCAATTATTTTATAATCTTCATTGCTGGCCATAATTGCAGTGCCACCAAATTACCAC
TGCATCACAAATGGATTGTAAAGAATAGTCACCCATACTTATAAATGATTGCTTATA

Sequence 3618

AGGTACAGCTGGAAATCTGAGTAGTTTCAGGAAACACAGCATCATCATCTTCATTGTCTT
TCAGATTTTCTAGAAATGTCTGAAACTCTTGCACAAGATTATTCAGTTTGCTGACAGATA
GTTTTGTCTCTCTTTTGGGAACCTGTTTATCCACAGGTTGGCTCCATTAGAAGCCTAT
TAGCTATTGAGTCTGTGTTGTGTCAGAGCCAACGTCATGTCCCAGGCCAGGAAGATGTTCA
GTTTGCAAACTGTCTGGTTCGTCCTGAATTTGGTATTGTCTCTTCATGTGTTTCTTAT
CCTTTAGTCCCCCATGCCCCCTGGATGGGAGGGAGAAAGTGGATGGAAGGACCCCTTGA
AGGTGCGTCTTCCCAGGAGGTTGTGTCCTCACAGGGGGTGCCTCACAGGGGAAATAGCC
CACAGAGAGGATCAGGTTGGAATTGGATTGG

Sequence 3619

AGGTACTTTTTTTTTTTTTTTTTTTTGTAGACAGAGTTTCACTCTTGTGCGCCAGGCTGGA
GTGCAGTGGCGCGATCTCGGTCCACTGCAACCTCACCCCTCCCAGGATCAAGCGATTCTCC
TGCCTCAGCCACCTGAGTAGCTGGGATTACAGGCGCCTGCCACTACACCTAGCCAATTTT
TGATTTTTAGAAAGGGACAGCATTTACCATGTTGGCCAGGCTGGTCTCGAACTCCTGAT
CTCAGGTGATCCACCCACCTCAGCCTCCCAAAGNGGTGGGATTACAGGCGTGAGCCACTG
AAAGTTCTCATTAGTTTTTTGTTTAAATTTTAAACATAAATTATGTTATAGCAAAAATTC
CTAAGAATTGAAAACCACTTTATCAGAAATATCAAAATTCACAAATAATCCAAAATTTA
TATAGCNTTTTTTCCAGNCTAAAATATTAAGCTACTGAGAAGTGTTAACTTCCTAAAT
AGGATTTTACCTAACATTTGGTATCAAAANGGTAGCCCNTGTCTGNCTTAAATATTCCAN
ATTATCTAANAATTCATTTCCACTTGGTTTCATCCAACTTTTATTTTTTTTTCATATTT
CNGGAATTTTTTAGAATCCCCNTCCTTTTTTGGGGGANTAAANTTTTTCTT

Sequence 3620

GCGGCCGCCCCGGGCAGGTACTTTNGGAGACCCAGGCGGGCANATTGCCNGAGGTCAGGAG
TTTGAGACCAGCCTGGCTAACATGGTGAACCCCTGNCTCTACTAAAAATACAAAATTAG
CCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATC
GCTTGAACCCAAGAGGTGGAGGTTGCAGTGAGCCTAGATCGCGCCANTGNACTCCAGCAT
TGGGCGACAGAGCAAGACTCCCATCTTAAATAAAGAAAGAAAAGNAAACCAAAAGAAAA
GGAAAAAGNTTTAANATTTGAAACCTTCNTCTAAAAAAGGAAAAAAGGGGAAA
AAGGCCCTTGGATNGCCACCACCAAAATNCTTAAAAATTTTGGGCCAAAGGTTCCGATT
CAAAATTTANAAAGGGGATTATTTTTATTTTNGCCATTCCACCAAAAAATTAATTTT
CTTTTTTACNTTCCCCCCCCCCCCAAAAAATTCAAAATTTAAAAAAGGTTTCCAAA
AANTANGCCAAAACCTTTTTTCCCCCTTAAANTGGNGGTTTTTAAAAAA

Table 2

Sequence 3621

AGGTACTTTTCTTTGAAAGCATAATTTTCCTTATTTTAAAAGATGTGGCTGTCTTCTCTG
GTTGTGAGAGCAATACACTGGGTCAGGCATATAGTAGGCACTCAGTAAATGTTTACTGAA
TTGAACTGATTGTTTGCCATGGAATTTTATCATTGGATCAATACACACTTACTTGTTAA
CCAGCTTTTATGAAAAACATATATGTAATACTATGAAAGTCAATTGCAGGAGACTAATCT
TATCTGGAATGTCAAGGGAGATTGCTATGAAGAAGTGATTTTGTAGCTATGTAATAATGA
TAGCTAAGGGTGGTGGCAATGGAGCTATGTGTGTGTGAGTAGGGGTGCCCTTGAAGTAGA
GGCAAAAATATGTGCAAAGGCTCTGAGGCAGATATAGGTTTGGCACATTAAACAGCTGAT
TAAAGGCCAATGTAGC1GGAGAACGAAGTGGGGCAGAATGGGTTTTAAGAAATAAACAGG
TTAGTAATAATATCAGCTTTTCAAACTCTCTCTGGCTGGTATATATGTATAAAAAAGA
CT

Sequence 3622

CCGGGCAGGTACCAGGGTAAGCGGGGGAAGCTACATACAATAATAATGCATTCTCTTATT
TAACATTGCGAGTTAACTTTTTTTTGTAGACGGAGTCTCTGTGCGCCAGGCTGGAGTGCAG
TGGCGCGATCTCTGCTCACTGCAAGCTCCGCCCTTCTGGGTTACAGCCATTCTCTGCCCTC
AGTTTCCCGGGTGGCTGGGACTACAGGCGCCTGCCACCAAGTCTAGCTAAATTTTGTAT
TTTTAGTAGAGACGGGGTTTCAACATGTTAGCCAGGATGGTCTCGATCTCTGACCTCGT
GATCCGCCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCTCCCGG
CCCAACTTCTTTTTTAACTCCTGCAAAACCAACACAAAGTCAGGTTTGTGTGCTTA
GACCATTTGCTATTTCTTAGCAATC

Sequence 3623

CCGGGCAGGTACGCGGGGACAGTCTGCTGGTGGGCAGAGAAGACAGAAACGACATGAGCA
CAGCAGGAAAAGAAAGTTGTCTGACAGAAGTTTGATGAGAGGAATTTGACTCAGAAGACT
GAAATATCCTTTAACCTTACTATAAAATATCTTACAAAATACTCATTGATTTACAGCAT
TAGAATCATCAAGGTAATCAAATGCAAAGCAGCTGTGCTATGGGAGGTAAAGAAACCTT
TTCCATTGAGGATGTGGGAGGTTGCACCTCCTAAGGCTTATGAAGTTGCGATTAAGATGG
TGGCTGTAGGAATCTGTGCGACAGATGACCACGTGGTTAGTGGAACCTGGTGACCCCCC
TTCTGTGATTTTAGGCCATGAGGCAGCCGGCATCGTG

Sequence 3624

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGAGCCGGAGCCTTGCTCTG
TCACCCAGGCTGGAGTGCAAGTGGCATGATCTCAGCTCACTGCAACCTCAGCCTCCAGGT
TCAAGCAATTCTCTGCCCTCAGCCTCCCAAGTAGCTGGAATTACAGGTGCCACCACCCAG
GCCAGCCTCCCAAAGTGCTAGGATTACAGGCATGAGCCAATGCACCCAGCCCTCAGTCT
NTTNTTAACCTANCAAACCTCCTACTCAGCCATAGGTCTAGCTTATCTGTACCTTCCTAC
TTTCTTGGCAGTTGCTCTTTCAGCAATCTCACAATAAGCTGTATGCATTTNTAACTAGA
ACACTTACCACACTGTACCTN

Sequence 3625

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCTGGGGCCTGGNGGCTGGT
GACCACCACAGAGGGAGGATNTTGCCGGTCCAGGATATTTTGTGTATTNAGGTATTT
CCGNANAGTCGCAGGGCACTCCTCCTCCAGGTAAGCCTTGGCCCCGNTGCACGTAAACTGG
TTNTGCCCTCCCACTTCTGNTTGGTTATNTGGGCTGCTGGGTCNAAGGGGACCCAGGCTGG
GATTTNTTGTGTAATTCAATGTAGTCCTTTCCATCATAGTAATTTCCANAATGCTCC
GCTGCTTCTGTTATTCTCGATCTCACAACNAAACCTTCCCTGCAATACGTGANACCCTGA
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AACTNANTTTGGTTTGGCATTTCAGGTTTGTNTCAAAANAAAAATGTTCTCCTTAAAA
ANAACACAGCCTGGGCCCTGNGGGCTTTATGCCTGAAATCCCCAACACTTTTAAAAAAC
TNAANCGANGGGGATCGCCCCGAACCCCCAGGGGGTTCCAAAAACCAACCCNAGGGGTG

Table 2

ATNTTGGNGNAAATCCCCCCCC

Sequence 3626

CCGCGGTGGCGGCCGAGGTACTTTTTGTTGTATTTTGTATCTAAATCAATTATT
GTATAAAATTCAGACTTTTATGAATTATATGTTCTCTTTAATAAAATTCACGTGATT
AATTTAAGGTTTGTAGAATAATATAAAACATTCTTATTCCTGGCTGGGCACGGTGGCT
GAGCCGGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGCGGATCATGAGGTCAGGAGATC
GAGACCATCTGGCTAACATGGTGAAACCCACCTCTACTAAAAATACAAAAAATTAGCT
GGGCGTGGTGGCAGGCACCTGTAGTCCCACCTACTTGGGAGGCTGAGGCAGGAGAATGGC
GTGAACCTGGGAGGCAGAGCTTGCAGTGAGCCGAGATCACGCCACTGCACTCCAGCCTGG
GCGACAGAGCAAGATTCCATCTCAAAACAAAAACAAAAACAAAAAATTCATT
CCTTACCTGAAAGCAAGTTTTGGCTTTTCTACCGAATTTCACTTATTTTAAATCACATT
TATCTTTCCTAAGTTGTTTTAAACGACATGGGACTAAATCCCAAAACTAAAAATGAAA
GGNGAGTTATAACATTGAGTTACTATTTAACAGGNTNAAAAGAGCCCAACGCCAGGC
TATACAGTCCACCAGAAGAAGCAAAAAAAAAAAAAAAAAAAAAAGTAC

Sequence 3627

CTGTGATTATGTAGGAGAATGCCTGTGTTATTCACACTGCAGAGTAAAGTGCTGTGACTT
AAATGGTTTGGATGTTTGTCCCTCCAAATCTCAAGTTAAATGTGATTGCTGGCTGGGT
GCGGTGGCTCACACCTGTAATCCTTGCACTTTGGGAGGCTGCGGTGGGGAGATCACCTGA
GGTCAGGAGTTCAAGACCAGCCTGACCAACATGGTGAAACCCCGTCTNTACTAAAAATTC
AAAAAATTAGCCAGGCGCCTGTAATCCCAGCTACTCNGGAAGACTGAGGCAGGAGAATC
ACTTGAACCCCGAGGCAGAGTTGCCGTTGAGCCAAGATTGCACCACTGCACTNCAGCC
TGGGCGACANGGCCCGAGACTCCGTCTTAAAAAATAATANNNANNAAGAAGGTACCTG
CCCGGGCCGGCCCGCTTTTAGAANTANGTGGAATCCCCCGGGCTGCAGGAAATTCNATT
TNCAAGCTTTATTCGAATACCGTNNNACCNTNGAAGGGGGGGG

Sequence 3628

AGGTACGCGGGATTGCAAGCCTGTCCCCAGTCTCCCCACTGCTGCTATGCCTGAAAAGAG
CCCCAGCCCCGTCTCCAAAGCCCAGGGTTGCGCTCTTGCTGAAAGAGCAACGTTCCAGG
CTGAGGACAAACCCAGGACTGCTCAGGCGGAGAGATCCCTGCCCCACGTTCACTACTGA
CAACCCAACTCCATCCTCAGTCTCCGTGGCTTCAGATCTGGACTCCGCACCCTCCTCCAC
CTCCACCTCTCTTCCCAGAGACCCTCCCCACATCATGCTCAGTGCTGTTTCTGAAGACCA
TCTAGACTTTTGTGTTCTCTGGAACATTCTACTCACCTTCAGCTGCAGCACATTTCTTCA
GCCTCTCCACCAAGCTCTTTAAATGAAAGGCAGTTACTGTCTTCCCTTGGACAATAATG
AATGTATCTACTGTATGTGCAGACCATGTGAGAAGTGGCTGGGTTAAGAAAAAGAGGG
TTTTTGTAAGCCCTGTTTATTTTTTAAAGTCAGTTTGGAGCATTTCTATTTTACCACCC
TTCACATGGTTTTGGGGAACCCAAATTGGTATTCAAGGTCTTCATGCCAAACAAAGCCA
AAAGTTGGTTTCTTACCTTTCTTCTCCATGCACCATGATTTTCAAATGGATTGGNT
TCAAGTGGTCATTTTTTAAAA

Sequence 3629

CCGGGCAGGTACGCGGGCTGGCCTCTAATGGAGTCACTATGACAAGAGCAGCCCCCTGCCT
CTGGGGGGCTCACAGCTCACTGGAAGACACTAGAATCCTGTTCTAGAGCCTGGGTGAGGA
AGTCTTGGGATCCCCCTGGGAAATGGAAGTGTGCAGCAGGACCCTATGTTGCTTCCCT
CTGACCTGCAGCAAGANACTGTGAGAGGTGATTTCAATCANNAAATNTCTCAGNTTCACT
ACCCTTGAACGTCAATGGGCCCAAATGAAATTTTTTTCATGAAGTAAGATT

Sequence 3630

AGGTACGGAGGAGTTCTGGAAGCCTTCATGGATCTGAGCCTCCGGAATCTCCGTGAGGT
TGAAATTCAGGCCCTCCAGGATTCATCGTGAGTGTCAGCCTTGGTCCCCAGGGAGAGCA
TTGCAAAGGCTGTAGCGATGCTCACTGGGGAGAAGAAGATATTGGTGCTGTTGGACTGGT
GTGCCAGCTGGCGGTATAGGCTGAAGGCCAACTCAGCCAGGTTGGGGTGATCTTGTGA
AGGTTGGGTGATCCTGATCATGGTGGGATGTATCTGTCTTCTGGGCAACATCTNCCTGGG

Table 2

GATCCTNAGCCAGGGAGACAGGNACCAGGCAGCACAGGCCTGCCAGCAGGAGGNTGCCCC
ACNAGACAGAAGACGGCANTGTTCTGATTCACTGTCCCCNGGTTCAANTGGGTNGGTGCCT
TNGAAAAGCTTGANGGAGGACAGGGGCCCTGTCCCTNGNCNCCGTATTTTTAAAGGCA
ANTTGGNATCNCAANAAGGGGGCAAACCCGGGNGGGNAAGGCCTGTCNTTNGTNGGAAAT
ATTANAACCCAANGGGTTCNACCNCCAATTNTNTTTNNGTNGGGANGCCANAANNAGNGG
GGTTAANATTNACTTNNGNCTCNCCCCCCCCCCCCNCCCC

Sequence 3631

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGCTTATATT
GAACTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGGCA
AGTCGGATCAAAATTAAGGGGATTATTTATTTTGAATTCACAAAAATAAATCTTTTA
CNTNCCCCCAAAAAATCAAATTAAGGTTTCAAATTANCCAACTTTTTTCTTAA
AATGGNGTTTTAAAAATGTTTAATTNANCNCAAAATNCCATTGGTGTNCCCCAAACCT

Sequence 3632

GAATTCGGCCAAACNCGCGGGGNAGTAGGCGGTTTGCCTAATTGGGGCCGCTCTTCCCG
CTTTCCTTCGCTTCACTTGGACTCGGCTTGCCTTCGGGNTCCGTATACGGNCTTGCGG
CCGAAGCNGGGTAATCAAGCCTTCAACTTCANAAAGGGCGGGGTAAANTAACGNGGNTT
AATCNCAACAAGAAATCCAAGNGGGGTAATAANCNGCAAATGNNAAGGAAACAATTGT
TTNAAGCCAAAAAAGGGGCCANGGCCAAAAAANGGNCCAAGGAAAACCCCGTTA

Sequence 3633

GGTGCGGCAGCTCACACCCGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCAGATCACA
AGGTCAGGAGATCGAGACCATCCTGGCCAACACGGTGAAACCCCGTCTCCACTAAAAGTA
CCTGCCCCG

Sequence 3634

CAGTAATCAGGGNGATANACGCAGGGAAAGGAACATGTGGAGCAAAAAGGCCAGCNAAAA
GGCCNAGGGAACCCGTAAGGAGGCGCGTTTGGCTTGGNCGTTTTTTTCCATTAGGCTC
CCGCCNCNCCTTGACGAGGCCATCNACAAAAAATTCCGACCGCCTTCAAAGTTTCANG
NAGGTTGGCCNAAAAACCCNNGGACAGGGAACCTNTTTAAAGGAATAACCCAAGGGC
CGTTTTTCCCCC

Sequence 3635

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTCTGATGGGTCTCACTCTGTCTC
CCAGACGGGAGTACAGTGGCNCGATTATGGCTCACTACAGCCTCAACCTCCAAGGCTCAA
GTCAATCTTCCATCTCAGCCTCCCAAGGAGCTAGGACTACAGGAGTGTGCCACCACGCCC
AGCTCATTTTTTTTATTTCTTGNAGAGACAATANAGTTTACCATGTTGCCCAGGCTGGT
CTNTAACTCCTGCGCTCAAGTGATCCGTCCACCTTGGCCTCCCAAAGTGCTGGCATTGCA
GGCGTGAGCCACCATGCCCTGCCTAATTAAGTCATTTAAAGAAGNTTATGAGAACTGAT
AGAGGCTAAATTACCTCAGTGGGACAATTCAAATAAGACAACCTCTAAAAACTGCTTNG
GCTTANGAGGCCCAGCTGGGTTGGCTTTTGGGGTAGTCCCCCTTTCAAAAAGCCTTTN
GGCAATCCCCAGGTCATGCTTTAAGGGG

Sequence 3636

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAGCTTATATT
GAACTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGCAA

Table 2

GTCGATCAATTAAAGGGATATTTATTTGCATCACAAAAATAATTCTTTACTCCCCCANA
AAATCAATAAAAAAGTTCAAATAGCCAACCTTTTCTAAATGGTGTTTTAAATGGNAATCA
CCCCAAATNCATTTCCGCGGTACCCTNCGGGCCGNTTNTAGAACTAAGTNNGGATTCCC
CCCCGGCT

Sequence 3637

AGGTACAAACCCAGTTTGTTCATCAAAAAATCACAGTGGCAATGCAACTCATCACTCTAGA
AAAGCAAGCTTAGGCTACCTGAAAGATTTTCCCTTGGAAAGTTTAGCGTATGTTTACTAA
CAAGAATTCCTACATCAGAGACTCTAGGTGCTATATAATCAAAAACTTTTCAGCCTGT
TGCTCATTCTGTCCCATGCTGGCAATAATACCTTGTCAGCCCATACCCTTATTTTGA
TTGCTCCATCTCCTGGTNGGGAAGTTGATCTTGNCTGGCCAATATCAGGAAACACCAAAC
CCCCTGAAAGAGGTTCTGATTTTNGGATTTNTTTNTTTTTNTCTTNNATTGCCTTACC
CTTTTTTTTNGGGAAGTTTTTCCAAGCCCGCAAATTTTTGGAAAAATTGAAANATGG
ACCAAAGGGNTGTTATTTTTTNAATTCCAAATTTTTTCCAATTTNCCCCACCCATT
GCCAATTTACCAAACCCCTNNTTAACTTTAAAAAATNNGGGGTAA

Sequence 3638

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGNAATCGCTTGAACCCAT
NGAGGTGNGAGGTTGCAAGTGAAGCCGANNATCGCGCCACTGCACTCCAGCATGGGCGACC
AGAGCCAANGGCTTCATCTCAAAAAATANAAGGAATGGAAAAGAATNCCAAGAGNAAGAAA
GGAAAAAAGCTTTTATATTTTGGAAACCTTTCTTCTTAAAAAAAATAGNAAAAAATAAN
AATGAAAAAGGCCCTTGAATTGGCCAACCACCAAAATTCNTTAAAAATTTTGGGGCC
AAAAGGTTCCGGATTCCAAAATTTAANAAAGGGGGATTNATTTTTAATTTTNGGCAAT
TTCAACCAAAAAAATTAAATNTTCTTTTAACTTTTCCCCCCCCCCCCGNCNGTT
NACCCCTTGCCCCCGGGGGCCNNGGNCCCCGCTTCTTNNAGAAAATTTAGGGTTGGGA
ATTCCCCCCCCCGGGTCTTGGCNAAGGAAATTTCCGGATTTTTTCAAAGNNTTTATTCG
GNATTCCCNCTTNGAACNCTTNTAAAGGGGG

Sequence 3639

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGGGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAA
GACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAGCTTATTGAACTTCT
CTAAAAAAGAAAAAAGAAAGCCTGATTGCACACAAATCTAAATTTGGCAAGTCGATC
AATTAAGGATATTTATTTGCATCACAAAATAATTCTTTACTTCCCCCAAAATCAATA
AAANAGTTCAAATAGCAACTTTTCTAATGNGTTTAAAAATG

Sequence 3640

AGGTACTTTTTTTTTTTTTTTTTTTTGGATGGACTCTTGCTCTGTGCGCCAGGCTGGAN
TGCAGTGGCACCATCTCTGCTNACTGCAACCTTCGCCTCCTGGATTCAAGTGATTCTCT
GCCTCAGCCTCCTGGGTAGCTGGGATTACAGGCACACACCACCATGCCAGCTANATTTT
TGATTTTTTAAATAGACACAGTTTCCCATGATGGCGAGGCTGGTCTCAAACCTCCCG
ACCTCAGGCAGATCCACCGTCTTGGGNCCTCCAAAAAGATGCCTTGGGGAATTTAACAGG
GCGTGAGCCCACTTGACNCCGGGCCCCAGGATTGAAAATAGNANTTCTTTGGCGACAA
AGGTANGCCCAAAATNGTTTNGGCTTAATTCAAGAAGCNAAGCTTGGGGGCTTTTTCAN
GTCCCACCCACAANGGCTTGGCTNAGTTTCCCTTCAANGACCTNGTNGAACCCAAAGTTA
AAG

Sequence 3641

CCGCGGTGGCGGCCGCCGGGCAGGTAAGGCTGCAGGTTCTGGATGATGGTGAAGTC
GTCTAGGGTCTTGGGCTGGGGCACTTGATGATCTCGGTGGTGTAGCGCAGCTTCCAGCC

Table 2

CCGGCTGTCCCCGACTCATCTGTCCCGCTACGCGGGGTGGGAAGAAAGAAGGGGCCAA
ACTGGAATGTGGAGGAGGCCCGTGGGGGAATAAAGGCTACTTTGTCCAGCCCACAGTGT
CTCTAATGTTACAGATGAGATGCGCATTGCCAAAGAGGAGATTTTGGACCAAGTGCAGCA
AATCATGAAGTTTAAATCTTTAGATGACGTGATCAAAAGAGCAAACAATACTTTCTATGG
CTTATCAGCAGGAGTGTTTACCAAAGACATTGATAAAGCCATAACAATCTCCTCTGCTCT
GCAGGCAGGAACAGTGTGGGTGAATTGCTATGGCGTGGTAAGTGCCCAATGCCCNNTTG
GTGGATTCAAGATGTCTTGGAATGGAAGAGAACTGGGAGAGTACCTCGGCCGCTCTAA
AAACTAGNGGATCCCCCGGGCTTGC

Sequence 3642

TGACAGGCAGGAAGCGNGGCCACCANCAGGGGGGAAAGGGCAGGGACTTAATNAACNCAN
GCTTATNACCCGCACTTACNGGNAATTCCTCGTTTCATGGGNAANAATTGCAATCCCNAN
CCCCATNACAAANGGGGTTNAACGGGTACCCNCCCCTGCCGGCNTAGGGTACCTGCCCG
GGCGG

Sequence 3643

ATTCAAAATTTTAAAAAGGGGAATTNATTTTTTATTTTTATNGCCNATNCCNACCAA
AAAAATTAAAAATTTTCTTTTTTACNTTCCCCCCCCCAAAAAAAATTCNAATTA
TNAAAAAAAGGTTTTCCAAAAATTNNGGCCAAANCCTTTT

Sequence 3644

AAGCTTCAAAACCCATCACTCCACTGAATCCAGGGATGCCAGAATTGAGAGTCCATAGGA
CCCGTTTAACGGATCCACATTCAGTATACGGTTTTTGTATGCTTNGAGGGAAGGAAGG
TATTTTCAAATGCANCTCTTTTTTTTTTTTTNTTGCTCTANTTAGGGCTGATTTTACC
ACTGGGCAAATTGTCNTACATTTGGATCCATGCCACNCTAAATACTGTTTATTTTGGAGAT
CTGTCAGAGGCAAGCACATGGAANACANGGGGATTCTG

Sequence 3645

CCGGGCAGGTACGCGGGTAAGGAGCGGGTGGCAGCTGCCCTGGAGAACACCCACCTCTTG
GAGGTTGTGAATCAGTGCCTGTCAGCCCGCTCCTGAGCCTGGCCTTTGACCCCTCAGCCT
GCATACTGGTATCCTGGTCCCAGCTCCTGCCAGGGCTGTTACCGTTGTTTTCTTGAATCA
CTCACAATGAGAACTAACATTTTGCTTTTTGTAATAAAGTTTAATTTATATTAGTTCA
CAAAATAAAAAAAATAAANTAATAAAGTACCTCGGGCNCGCTCTANGAACTAAGTTGGGA
TCCCCCGGGCCTGCAAGGGAATTCGATATCAAAGCTTTAATCGATACCCGTCCNACCTT
AAAGGGGGGGGGCCCCGGGTACCCAGCTTTTTGGTTTTCCCTTAAGNTGGAGGGGTTAA
ATATGCCCGCGGCTTTGGGCCGGTAAATTCATGGGNNNATAAGGCCTTGTTTTCNCTT
GNNGTGGAATAATTTGNTTATTCGGGCTTCCACAAANTTTTCNCANCACNAAACCATT
ACTNATNCCCCGGGGGTAGGCCATTAAAAAGGTGTNTAAAANGCCNTGGGGGGGTNGGC
CTTAAATTGGAAGGTNGAAGCCTNAACCTCCAACNATTTAA

Sequence 3646

AGGTACTTGGCAATCTAAGACACACTGGGAGACTGTAAGAGGAATTAATATAGAAAAGCT
CTTAATTATAATAACATTTGGAAGAAATTTTCTTTGTTTTGTAAGTGGCTAAGGTTG
TAGGAGTGTGTGGTATTTATTACCTTTTAAATGAAGTGTAAATTTGCCTTAGAAATTTGT
TTAAAGGCTAGCAAGTGAACCTTGAGGATGATCATATACTAATAAAGATTACCAAAA
GAAACTTCTTGCTCTGTTAGGTCAAGTGTATGATTTAATGGTTTTAATTACTTAACCAAT
TTTAAGAATTGACAATTTTTAAAAATATTTTTTTCTACCATTCTAAAGTAATGTCTTT
GTTGTGGGTTTATGTGTAACACAGGGATTTTGAACATAAACATTTTGAAGGATAGTCA
ATGGTATTTAGTCTTGATNTAAAAATAGAGAAAATTTATAGCTTTATG

Sequence 3647

CCGCGGTGGCGCGGAGGTACCTAAGCCCCTCTCACAGGTCCAGGTGAGGGGCAGGCAGG
GCTGGGTATAGAGTGGAGTGAGGCCCTCTCCTTGGGTAAAATTTAAAGGGGTGCCAAAA
AAAAAAGAGCCTCAGTAATCAAGGTAAATCATATTGCAATGCAGTATTTTTTAAAAATC
AGAGTTATTGAAAAATTCACGATGAATACAGTATCAAAATTTTAAGTCAGGCTTTGTCT

Table 2

GGGTTGGTGTCCAGGTGTGAAGGATCTCAGGAACAGGCAGCACACTATTTCTGAAACCTG
GCCTTGGACTTCAGTGAGCGCAGGGGCAAGGAACACCACGGCCCTGGGGCCCTCGCTNCC
CAGGGCTCCGCTTGTGACNACTCTTGACCTTCTGGGGTTCAAGAAATGCCCCAGACCGTC
CTATCCCTCATGTTC

Sequence 3648

ACTATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACCAACAGATTTCTCAGG
GTGCTCCCAAACTGTGATGTTTGGAAATCTCTGCCCTCAGGGATCCCTGACCGCTTCT
CTGGCTCAAAGTCTGGGACCACAGCCTCCCTGACTATTTGGGCCTCCAGCCTGAGGACG
AGGCTGATTATTAAGTCAACATGGGACTACAGCCTCAGTGCTCAGGTGTTGGCGGAG
GGACCAAGCTGACCGTCTAGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCC
GCCCTCCTCTGAGGAGCTTCAAGCCAANCAAGGCCACACTGGTGTGTCTCATAAGTTGAC
CTTCTACCCCGGGAAGCCCGTGACAGTNGGCCTGGGAAGGGCAGATTAGCCAGCCCCCGT
CAAGGCCGGTGAAGTGGGAAGA

Sequence 3649

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAATATATCCTGTAAGTGCCAG
CATTGATGCCACTGGGGAAGGTGCAGGTGAGACTGACTGATGCTCCAGGAGATGCAGAGA
GGGAAGCCGGCTGAGTCAGCACAGCCTGCCAGAGGGAACCTGTGCAGTGAGAGAGGAACA
GGAGGAGGAGAGGAGTCCAGGCCATGGTGGACACAACCTTTACCCCGCAGTCCCCGCG
TACCT

Sequence 3650

CCGGGCAGGTACCCCTACCCAAAGTGGGTAGTCCCAAGTGTGGCTGAGTCCAGGGTT
TTTATGGGCTCGGAATGGGGAGTGCATGCTGATTGGTCAAAAAGCACCATTCAATTGGC
TGAAAGGCATGGAGGAAGTTCTCACTGCAGTTGGGGACTTTATCTAGAACTGGCAGCTTG
GTTTTAGGCTTTAATTTGTCTTTGGTTGAAGGTTGGGTTTACCAGGGACCCACCCCT
ATCTGCCTAGGAATTTGTCTCCCTTCTGCTGCTATCACTGATACAGATAGGCATAGGGCT
ATGGTTTTATCTGTGGTATTTGGCTGTTACAGAGAGGTTATGACCTACAATTTTCTGTCT
TTTTAGCCTGCGCTTTCTGACTTTAGGCTAGACAGATCAGGGGTTTGTGATGCTTT
TTTTTTTCTTTTCTTCTGTAGGTGTTTCTGGGCTACGTGAGGCAAAAATTAACAGAG
AACTCACCACAGTGTTTTTCTTTGGATCCCATGATGCCCCAGATGCTCTACTTTTTTC
CTTTTACCTTTCAAAGGTGTTTTATAAATCATGTAAATCCAGGGTTTTTCGTTTGN
CCTTCGGCCCGCTCTTNAACCTAAGNGGGATCCCC

Sequence 3651

AGTCATGTAGTCTGTTTTCTGCAGNGCTTAAATCTTTCCCAAAGTAAGTGGATTCATC
AGGGTTATAGTTTGNAGAGAGCCATTTCAAGTTGTCCAATGTGATATATACATATATC
ATCATCTGCTTTCATGAACCANTCCATGTATTCCAGATAATGGTCANGAGCATATAGAAA
NGCTNTAACTATTNTCCAGGACAGTTGGTTTCTGTCTTNTTGGTGTGTNANCCACAGT
ANAGAAGTCTTTATTTTCTTTGAGCTCATAAACAACGCTTTATTGCAACCCTGGGCCCA
TGTATCTCTGATNCGTCTGATCTTTTTNTTCTAAGATTTTGAGGNCCTGNCATAATCCAG
CAAAGAATTTTCATNTTTTGATAGAGTTGNCAGTGACACCTGTGTTCTGGAATTTTATT
GATGACTAGCATTGCAATCACTTANATNANTCTTTTAGATGATTCTGCCCNATCA
ATCTNGAAGGCCTCACGTAAGAATAATTATNAA

Sequence 3652

AGGTACGCGGGGGCCCGCTTGCTGCACGGCAGCCGTGGGACTGGCACAGGCTCCTCG
GCAGCATTATGGGCAGCTGGTAGAGCGGCCACTTCTGAGAGCCGGATGGGCCCTCCGAGT
TCCCACCGCTCCGGGTGTCTCCCCAGTGCGCCGCGATTTTGTGTCCAAGCCCCAGAGT
CCCTCTGAGACCAACCCCCAGCCAGCACAGACTTCTGCCCTCCCAGCTCGGAAGCGCCC
TCGAGAAGTGTCTAAAGGAGACAGTTGATAGCCAAACAACAGTTTTGGATCACTGACTG
ATTATGAAAGAAGCAGTAGACTGGTATCAAGAATCAGTCAGCAAGGAGGCCCTCACCAGA
CGCCAAGTGCCATGTTCTTGGACTTCTCAGCCTCCATATTCATGAACCTAAGTTTTGGAA

Table 2

TCCTTAGGCTTTCAACGTGTGGAAAGCCTGAGCTTAACCTACT

Sequence 3653

[illegible]

Sequence 3654

AGGTATCTCAGTTTCNGGTGTAAGGTCNGTTCGCTCCAAGCTGGGGCTGTGTTGCACCGAA
ACCCCCCGTTCAAGCCCGACCCGCTTGCCGCCTTATCCCGGTAACCTATCGTCTTGAAG
TCCCAACCCCGGGTAAGACACGGACNTTATTCGCNCACNTGGCCAAGCAGNCCCCTGGG
TTAAACAAGGGATTAGCAGAAACCGAAGGTATTGTTAGGGCGGGTGGCTTACAAGAGTTT
CTTGGGAANGTGGGTGGGCCCTTAACCTACCGNTACCACTTAGAANGAACAGTATTTTGGG
TAATTCCTGCCGCTCTTGGNTGAAAGCCAGTTTACCCTTCTGGGAAAAAAAAAGAAGT
TTGGGTTTAGCTCCTTTGGAATNCCCGGGNCAA

Sequence 3655

GCTCCACCCGCGGNGGCGGCCGAGGTACACAAGAGAGGCCAGCCATTAAGAATTGTTATC
AATACAATNAAAGGGAATACTTGGCCAGAGATCCTCTAGATAAGTAGCTAAAATGTGATC
AAAAGGAGAAAAGAGGAAGAAGCAAATNCNCANACGTNTTATGGGTCTTAATAAAAAATAAA
GACATCTCTGAACAAATGATAAAATCCCTTCCCTGAAAAATTTCAAATGAGATTCACAGA
AATGCAGAAGCAGAAGGAAACTTTAGATTANAAACATCTCATTTTGGGGCTGGGTCCGNG
TGGGCTCACCGCTTGTAATTTCCCGGCACTTTGGGGAGGCCGAGGGTGGGGCAGGATCA
CTTTGAGGCCAGGAAGTTAACACCAGCCCTGGGCAACCATGGTGAAAAACCCCATCTT
TTACAAAAAAATACCAAAAAATTTAGCCCGGGGCCATGGGTGGCATTACCGCTTGAGN
TCCAGCNTACTTAAGGGCGGCNTGGAGGGCANTGAGAAATCACTTTGAACCCAAG

Sequence 3656

ACTCTTTCTGGAATTACTCTCTTGAAGCCCAGAATGTGTTTTCATATTAGATCTAAACA
AATTATAGGTTCAAATATTAANNGTTNNCNTCCCCANGAAAAACAAAANNCNCTCANCC
AACTNTNANTANNGATTNTGNNGGAGCACAGGCCGNTCTCTGTTCCCGCANTAAAACAC
ACTGTTGCCGCCACAGCCAGGGGGCTCTCTGGCAGGTCCTCCCGCGTACCT

Sequence 3657

GGNGGCGGCCGCGCCGGGCAGGTACGCGGGGTTTGAGGGCTTTGGGCCAAGGCGCAGCTG
GGTGGTCAATTCNCGCANCAGNGGTTACCCACAGGCCTGGGTGGTGAGCAGCGGCTNTNAN
GNNAAAGCAGGCCAAAGACAGCTCGGGACAGCCCTCACATTTGAGGAATGCCAGGAAGA
CTAAGGACAGTGAAGAGGGCTTGGGAGTTATAGCCAACCATAANCTAACACTTTTCTNA
NAAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 3658

CCGGGCAGGTACACCTCACAAATGATAGTGGCTGAGAGCCAAATGATGAGCTTCTCTGTG
TTATGTCTACCTAGCTGTGATTATATCAGGCACAGGATTGCGCGCGTGTGCTCTAATCCC
ACTGTGTCATGCAGGATTTTTACCTCGGCCATGCCGTGCCAGCAACACAGCCATGT
TCCTTAACTCCGCCCCCTAGGCCAAGGGGGTCTCTTAATGGGAACCTCGTGCACATAGG
GGAGCACCCTGGACCCATAGGCCACAGCAACAATAAAGAGAGCAACAACCTACTACTAAT
ATTCTGCTATGCTACCTATGATTATAAGAGCCAGTGTAGGCCAGAGCCAGAGACACC
CACCATCTCTGCAGGCGGTCAATAGGTAAGGTAATGCCTTAATCTCCCATGACATG
ACACCCCTGCAAAGCTGCCACTATGTTCTGGTGGTTGTCAGGGATGAATGTACCTN

Sequence 3659

AGGTACGCGGGGCTTGC GCTAAACCAGCTTGT CGGCGCCATTTTGTCTCGGCAGCGGTGG
CCGTAGCTCCATCGCATTTTATGTTTCTGGCGAGAAGGGAACGGAGTTTTTCATCAGGTAG

Table 2

ATTGGTTTTGT

Sequence 3660

ATTGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACTGAGCAAAGGAGACAGGG
TCATTTATAACCTGATGTGTCCACTCTACTGCTGTGTCCAGTTTCCACTGGCTGGAACGG
GCATCCTGTTTTCACTACTATAGCCTTCAAATATAGTTTGGGCCATGCGTGGTGGCTCGC
GCCTGTGATCCCAGCATTTTGGGAGGCCGAGGTGGGTGAATCACGAGGTCACGAATTTGA
GACCAGCCTGGCCAACATGGTGAAACCCCGTCTATGCTAAAAATGAAAAATTGGCTGGG
CTCAGTGGTGGGCGCCTGTGGTCCCAGCTACTCGGGTGGCTGAGGCAGGAGAATTGCTTG
AACCCGGGAGCCAGAGGTTGCAGTGAGCTGAGATCATGCCACTGTACCTGCCCG

Sequence 3661

CCGGGCAGGTACCTTGCAAGGCCCCACACTCTGGCTCTTGTTATCTCTTTGGCCTCAAAT
CCCCTACTCCTTTCTTCTCGCGCAGCTCCGCTAGCCTCAAACCTGCTGTAAGTATGT
ATCTTTAGGGACTATATATTGACAGTCCCTTTGTGTGGGCAACTCAGCTTCTAGATTT
AAGTGTGCTGCCTCACTTCTTTCAAATAACACCCCTCTGTGTGAGGCTGGTTGTGACCCC
ACTGGCATTACAATCCTGCTCCCTTCTCACGGCCTTCCCCTATATTTTCCCTGCTCC
TAAGGATCCTGCAGTCTATTTGGAGAGTGAAAACATATCCTTATGAAAAGGAAAGCAGGA
ATGGAATATTATATGGAATGTCAGATGAGTGAATTCAAGTCAGTATCAGAAAGTGATAGT
TCCTGGCTTGGTGCCAGATGTTGGAGGCCTGTTGGGCCAATGACAGGAATGTAGACTTTT
ATTCTGGACAGCAGAGAAACCCATACAAAATCTCCCCCTCCCCTGCTTTGGGTCTGAAT
TATGTCACAATTTCTAACCATTTCTTTNATGGAACTANTTTTTTGCAGTGAAGCCATAA
TTAGACTTCAAATATGNGGTTANTCTTNAATAAAGGGGCCCTAGGATTGAAATNTT
AAA

Sequence 3662

CCGGNCAGGTACGCGGGGACTATGGCAACAAGTATGGCGGCTGCTAGNGGTAGATTTGAA
AGTGCGAAGAGTATCGAAGAGCGGAAAGAACAGACCCGGAATGCCAGGGCCGAGGTGTTG
CGCCAGGCTAAAGCCAATTTGAAAAAGAAGAAAGGCGTAAAGAACTTAAGCGACTTCGG
GGTGAGGATACATGGATGCTACCTGATGTGAATGAGAGAATTGAACAGTTCTCACAGGAA
CACTCTTGTAAGGAAAAAGAAGAAAAAAGACAAGCCATTNAAAAAAGGCAAAGGAAN
AGAAANNGAAAAAAGAGCCNNTATNANNTAAGAAATGAGTAANANNNNNNANATAGGG
TTNCCCTTNGGGCCCGCNTNTNAGGAAGTNNGTNGGGGATCCCCCCCCGGGGGCTTGCC
AGGGAAAAATTTAGAAATTATCAAAAGNCTTTTATTCTGGATNCCCCGGTGTGCGGACCC
CTTCAANNNGGGGGGGGGGCCCCCGGGGTNNCCCCCAAGACTTTTTTTGGTTNCCCC

Sequence 3663

CCGGGCAGGTACTTGCAATGGGGCCACCATGTTTTCTCCATTAGCCAGCCCCATTCATC
ATGGATGCTATGAGTCAGCCAGGGGGCAGGCTTGCCATGGGTTTTGTGACACCCCATCC
AAAGCTCACCATGTTGCATCCCGCCATTGTCTGTGGGACCCCAAGTTTCTAGCCATGTC
CAGTTCTTCACAAAAGCTGGATGCACATGCCAAGGCAAGCCATCCACAGCTGCTGCTGGA
AGGGTGGTGAGATCTAACAGTTGGAGACATTGGCCACCTCAGCATAGGTGTGAGCCCAG
TCCACAATGTTGTTGGAGCATGCCAACCTGTGGCCGAGCAAATAACTCCCAAGAAATTTGG
CAGACAATTCGGGCCCTTGACCTTGATTTATTGATGGCCCAACTGCACACTGCCAAAT
GCTGTCAACAAGAGGGGCACCACCATTCTAAATCTCATCCTGATGACTACACCAATTATC
AGGTTCAAGCCCCAGCTGAGGTCTGAGGAGAGTGGGTTGATGAGGGGCAGGGAGCTGGAA
GAACACTTGGGAGACAAGCAGGTAGATGAGACACGGCTTTATTGAG

Sequence 3664

GCGGGCCGAGGTACCACGATGTATAGAGCAACACTGGGGTAAAGGTCACTGTGGGATGGT
TACCTGCTGAGACCTGTGCAAACGTAACACATGCCACCATGCCAAGGATGTGGCGGAACA
AGCAGCCCTACCAAGGCTGGGCCCCCATGGACTTTGTGCTGCTGGGAGTTTATAGGTCT
GTGGGGACATAGGATGGCCATATCTGCCAGCCAACTAGACTGGACATTGTACCTGCCCG

Sequence 3665

Table 2

GGAGCTCCCCGCGGTGGCGGCCGCCCGGCGAGGTACGCGGGCTGGCTTTCATGTGAATAC
AAAGGTTACAAAGTCTATATTTTACCATCATTAACTGAATATTATTTCAATAAGAA
TCTTTAGAAATTTAAGAGAAATTTGAGTATTAATAAAATTTATCTAATATACCAATTAGA
ATCTTTTCACATGAGACTACAGAGAAAGATTTGTATTTGTAACAAAAATTAGCTGGGCA
TGGTGGCAGGTGCCTGTAAATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCTTGAA
CCCCGGAGGCGGAGGTTGCAGTGAGCCGAGATCATGCCATTGCATTTAGCCTGGGCAAC
AAGAGCGAAACTCTGTCTCAAAAAAAAAAANAATANAAAAAAGGTTCT

Sequence 3666

TTTTTTTTTTTTTTTTTTTGGAGTTTAAATGTATTNATTACATAAACAAGTTACACATA
ANAAGAAAATACTNNGAATACAATANACANCAANGGACNTAGGAAATAATATAATGTC
AGTGAATATATATAAATGTTAATCTCACTAGTTAAAAAAGCACATTGAAANAAT
AGTGGNNGCCAGGNGCANTAACCTNAGGCTGTANTCCAGNACTTTGGGAGGCTGAGGCA
GGTGGATCACAAGGTCAGGAGTTCGAGACTAGCCTGGCCAACATGGTGAAACCCCTTCTN
TACTAAAAATCCAAAAATNGCTGGGCATGGTGGNNGGCACCTGTAAATCCCAGCTACTTG
GGAGGCTNAGGCAGGANAATTGNTTGAACCCGGGAGACCGAGGTTGCAGGGAGCTGANAT
CACNTCACTGNCTCCAACCTCGGGGACAGGATGAGACTCCATNTNAAAAAAAAAAAAA
NGAATGGTGAATACCGTTNNCCCATNTTATNTANTTTTTT

Sequence 3667

CGCCCGGGCAGGTACTTTACTGTACCCAGCAGACTTTCAACAACCTATTGATCCAAAGAT
ACATGCACAGTCTGAGCACCAGCTATGGTGCTCATAACTTCTTTAAGACTTGAACCCCTT
CAATCTGTGTGATTCAATTAATTTGACCATTTGATGATAAGAATACACATTGTATGTTCT
GTGCACATGACAGTGTGTGTGTGTGCACGTACCT

Sequence 3668

GANATTNNGGAGCTCCACCGCGGGTGGGGCGGGCCCGANNGTCCCCAGGGTNGAACCAAN
AGTTTACCCAGAAAAGGCAGTTTGNACAACAAAGGAANAANTAAGGAAGCCTCAGGGAAT
GGAAGGGGGAANAANGNAAATAANGAATTNGAGGAAGGAAATTTTGGTNGCCCCCAAAC
CCATTTTTCTTTNAGAACTTCTTAAAGNAAAAGGNAACACCGGCTCTTCTTCCCAGGG
CCANGGTTCTTTNGAAAAGCNTCAAACCTTCTTCTTTAATTGGCCNCTCNACNTTNCAN
GGGTAATTACCTTCCACCTTTTACCACCAAANTAAGCAAATTTTANTTAAACCTGGGG
AAAAAGGAAAAGGTTTGGGGGGGACCAACCAATTGGTTAATTTTTTGGGGTGGGAAT
TTTACCAATTTTTTTAAAAAACCAACCCATTTTACGNGGGAAAAAAGGTTTTGGCC
TTAATTTTNTTGGGAAAACCTTTTTTTTTNAATTTTGGNAATTTTTTTTTTGGNNGGG
GGGGGGGGGAAGGTTTAAAAAAGGNAANAATTTAATTTTTTTTTTGGGTNNGGGAA
TTGGGGCCCAANAATAAATAAATTTAATTNCCCTTTTTTTAAAAATTTTTGGGG
AATTNCCGGGAACCTTTTNGGCCCAAAAAATTTTTTTAAGGAAATTTTTTGGGTG
GGTTNNGCCCAATTTCNAAAGGGGGCCCTTTTTTTCCTTTTTTTTTTTTTTTCCT
TTTTTTTTNTTTTTTAAAGGCAAAAGTAAAAAAGNTTTTNCCAAAAATTAATTAATA
GGNCCCTT

Sequence 3669

CTCCACCGCGGTGTTTGCCGCCCGGGCNTNGTNGTCTTTTTTGTGACTGGCAGGCTGGA
AAATNNNATCTTAAGAATGCTGTGAGGGCCGGGCACGGTGGCTCACGCCTATAATCCAG
CACTTTGGGAGGCTGATATCACAGGCATGAGCCACCATGCCATCTGCAATCCAGTGTG
CAAACAATTCCACACTGAAAATACAGCTCTCAAGATTGAAGGNGTCNTAAGCAGCANAGT
CTTTATTATAATACAAACAAGGGAATAGGCGGCAGGCAGGCTGTCTGATTTGTGACTGG
CAGGCTGGAAAATCTATCTTAAGAATGCTGTGAGGGCCCGGGCACCGGNGGCTCACGCC
TATAATCCAGCCACTTNGGGAGGCTGANGCANGTNGATCACGAAGGTCANGAGATCGAA
NACCATTCTGGCCAACACAGTAAAA

Sequence 3670

AGGTACGCGGGGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGCCATCTCGGC

Table 2

TCACTGCAAGCTCTGCCTCCGGTGTTCAGCGATTCTCCTGCCTCAGCCTTCTAAGTAGC
TAGGATTACAGGCGCGCGTCACCACGCTTGGCTAATTTTTGTATTTTAGTAGAGCCGAG
GTTTACCAAGTTGGTCAAGATGGTCTCAAACCTCTGACCTCGTGATCCGCCCGCCTCGG
CCTCCCAAAGTGCCGGGATTACAGGCGTGAGCCACCGCGCC

Sequence 3671

CCGGGCAGGTACGCGGGGACCTAGAGTCAGATGTATTATCCAAAGGCCTGCTTCTGAAGC
CCCTCTTGCTCTCTCTCTGCAGCCTTCTTGAAACACATCCTAAGCGTCTGAGTGTGC
AGATCCAGTGGGGTCCGGACACTGGGCCCGCAGGCGAAAGCACGTTCCAGCCACCAGGA
GGCCACCTATTGTTTCAAATAAAGACTGGGTTCTCAAAAAAAAAAAAAAGTACCT

Sequence 3672

GGGATTATTTCTGAAGAGNGGTGAGCTAACTTTTCTTTCTTTCTTTTCCAAAGACGC
GATCTCGCTCTATCACCTAGGCTGTTGTGAGTGGCATGATCTCAACTCACTGGAACCTT
TGCTCCCAAGGTTTAAGCAATCCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTATAGGC
ACGCAGCACCACGCCCGGCCAATTTTGTAAATTTAGTAGAGATGGGGTTTACCACGTT
GGCCAGGCTGGTCTCGAACTCCTGACCTTGTGATCTACCCGCCCTGGCCTCCCAAAGTGC
TGGGATTACAGGTGTGAGGCACCGTGCCCCGCCATTNTTAAGTTACTTAAAAAGTTCA
GGGTCAATTCGATGTCGTTACAAAACAGTCAGTGAAGATTTTGNCTAGATTTGTCTCA
GCTTGTCCACCTCTATTNTTACAAAAGCAACCCAATGTTTCAGCATNTTATAATCCATCCT
TCCCGCGTACCTG

Sequence 3673

CCCCGCGGTGGCGGCCGATNTACGTGTAAAANTAAATGTTTTTTGTAAATCACTGAGTC
TTCTGTNTATTTNTGGTTAGAGATCTTTGGGGGCTTGATGGAGGAACAGGAAAAGAGG
AGCCAGGCTTTTTTGAAAATTGGCGGCAGCGGTGGCATACGGGAAACTGAAATCTTTAT
CTAATCTCATCTTTGTATATTCGTCTTGATTTGCTGAAGAAAATTTAAAGGTAAATTT
TGCTGTGAGCTCACTGAACTCAAATGAAAGGGAACATATGCTGTTATTTTGTGAAGG
ACATTAATTGGGTGTGACTGGCAGGGTTGAGACCTGAAGTTCCTCTTTAGATAAGGAAA
ATTTCCCTTGGTGAGAAATCTCTAGACTAGTTATGATAGATTCCTAACCCCAACCTTGA
AAGGTAACTTAAGGCTCCCTCCTTAAGGGAAGGGCTGAAGAAAAAATTAACAGGCAAC
TGTGCCTATGAAGATTGCGAAAAAAAAAAAAAAAAACCGTCTCT

Sequence 3674

TCACTATAGGGCGAATTGGAGCTCCNCCGCGGTGGCGGGCCCGCCCGGGCAGGTACTTTA
GGAGACCCAGGCCCGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGTCTNNCAT
GGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTG
TAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGT
TGCAGTGAGCCCGAGATCCGCGCCACTGCACTTCCAGCATGGGGCGACAGAGCAAGACTC
CATCTCAAAATTAAGNAAAGAAAGGAAACAAAAGAAAAAGAAAGCTTATATTGGAACCT
TCTTCAAAAAAAAAAGAAAAAAAAAGAAAGCCTGGATTGCACACAAAATCTTAAATTTG
GCCAAGTCGATCCAATTTAAAGGGATATTTAATTGCCATCACCAAAAATAATTCTTTAC
TTCCCCCAAAAATCAATTAAAAAAGGTTCCAAAATAGCCAANCTTTTCCTAATGGTGG
TTTTAAAAATGTTAATTCACCAAAATTACCATTTGTTGTTCCCCCAAACCTTTCTTTTCC
AGGGTTTATTAATTTCTATTTGGNGGTAAAAGNGGAGGGGTATACCCTTGAAAGTTG
AGGGCCAATTTAGGANGAAGGTTTGAAGCCTTTCAAAACCCTTGCCCTTGAANAAGANG
CCNTNGNTTNCCTTTTNTTANAAGTTTTTGANGGAAAANTNGGGTTTTGGGGGGGCCN
CCAAANTNCNTCCTCAAAAACCTTTTTTTC

Sequence 3675

CTCACTATAGGGCGAATTGGGAGCTCCACCCGCGGTGGGCGGCCGTGGCCCGTGGCTCAC
GTGGCCCTTAAGTTTCCGGGTCTTNTNAGNGCTGGATGGCATGTAAGAACANNNNATNC
TNTTANNNCCCNCGTACCTGCCCGGGCGGCCCGCTCTAGAACTA

Sequence 3676

Table 2

CGTTGCGCCTCACTGCCCCGCTTTTCCAAGTCCGGGAAACCCTGTCCGTGCCAAGCCTGC
ATTAATGAAATCGGCCCAACCGCCGCCGGGGGAAGAGGCCGGTTTGCCGTATTGGGGCGC
TTCTTTCCCGCTTCTCGCTCACTGGACTTCGCTTGCCTCGGNTCGTTCCGGCTGCGG
GCGAGCCCGTATCAAGCTTCACTCAAAAGGCGGGTAAANTACCGGGTTATTCCACAGGAA
ATCAGGGGGGAATAAACGCCAGGGAAAAGAAACCATGTTGAGCCAAAAAGGCCNGCCA
AAAAGGCCAGGGAAACCCGTAAAAAAGGGCCCGCTTGCTTGGCCGTTTTTTT

Sequence 3677

CCGGGCAGGTACTGGTCTGTGGCCTGTAGGCACTGGACTGCACAGCAGGAGGTGAGCAG
GGAGCAAGCTAGCACTAGGGCCCAAGCTCCGCTCCTGTCCGATCAGTGGCAGCATTAGA
TACTCATAGGAGCACAGACCCTGTTGTGAAGTGTGCGTGTGAGGGATCTAGGTTTCGTGC
TCCTTACAAGAATCTAATTAATGCCCGATGAGTTGAGGTGGAACAGTTTCTTCCCAAAAC
CGTCTCAGGAAACCTGTCCCTGGTGCCAAAATTTGGGGGACCTCTGACGTAGCACACTAT
CTGGCACATACCAAGCACTCAGAAAATATCCCATTTCTCAAACTCAGTTCCAGTGTCAA
GTCTTAATAAGTATATTGATCTTGAAGTCCAAGGTAGTTGGTCCTCTTTGTGCCATA
AATGTGCCTTGACCTT

TT

Sequence 3678

TTTTTTTNAACGCTTATAAGGTAACCTTATAGACTAAGGTAAGCTGGCCGGGTGTGGTGG
TTCATGACTGTAATCCCAGCATCTTGGGAGGCCGAGGGGGATGGATCGCCTGAGGTCAGG
AGTTCGAGACCAGCCTGGCTAATATGGCAAAACCTATCTATACCAAAAAACAAAAAT
TAGTTGGGCATGGTGGCGGACCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCTTGAG
AATTGCTTGAACCTGGGGAGGACAAGGCTGCAGTGAGCTGAGATCGCACAACTGCCCTCCA
GCCTGGGCAACAGAGCAAGACTCCATCACAAAAANAGAAANAANNAANCGAAAAANAAGG
TCCCTCGGCCGNTCTANAAGTAGNNGGATCCCCGGGCTGCAGGAAATTCNATTTTCAA
GCTTATTTGATTCCGCCNACCTCGAAGGGGGGGG

Sequence 3679

TAGGGCNAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACACACAAAGGAACTGATGT
CAAGGCCCTTTNTATGACNNGGGGNCATTCTAGCAANACNNCNNNCNTATTNATCTTGG
GATCTACAGCCACATGAAATACAGACACATCGTTCCCCCAAGTCAGGCCAGTTTATAGGCC
ATTGAGTTATGGGGAATGATTAATGGGATGAATGAAAAACAAATAAAATAAATAAATAA
ATAAATACACTAAAGCCTTATTAGCCAGGCCGTNGATCACATGCCCAACACTCCCCCTCCA
TCCCAGCACTATGCACAGTTCACGGCTCATATGCAAAAGTGGGAAGACACCGTTGGGGAC
AAGGAAGCCAAAGCCACCAAGTNGACACATTGGGTCCCTCTTCTTAAACCACCCTCAAGC
CACACNCAACCCCTNGACGGCCTCCCATTCACCAAGTATGGCTTGGATTCAATTCCTTCCC
ANCGGGACCCCTTTTTTATTAATAAATCCCTCCATTTTACATTTTTCNTAAGTTTC
TTNGAGGGGGGAAAGGAAGAGGAAAAAGNAANAAAAAGGGAAGGAAAGGTGGGGAAAAAN
GGTGCCGGGAAACCNCNANATGGAGTTATGGGGCCACCAAAAAAAGGG

Sequence 3680

GGACTCCACCGCGGTGGCGGCCGAGGTACGAAACCTCCGTGGTGACGGGGACTGTGGNGC
GGGGNAGGGGGGGGCTCAGNNGAANAAAAATTNTTTTTNTTNCNTCCATTGGGCATGA
ATGTGATGGAGCCCGGGATGCAATGCTGGCATCAAAGNTGGGGCAGGTGATGTTGGAGG
CGGACCGAGATGAGCTGGTTGTGGATCTTACGCAGCTGAAGAATGTGCAGTTGTTCTTC
GGGGTCGCTCTTGAAGTCCCCGGGCTTCAAGATGGACGNNGCTGGTTTGTCCGGGCCCGT
TTTGATGATACANATGCCGTCTTGTTCACACTTTNTTTACCAGCCACTTCNCCGGGG
GGGGTCTTCCCATTTGGAAGTTTCCGAAAGCCCCAGGGGTCTTGCCANGGAAGNGTNGTT
TTGCCANGGGGCCACCGTTGGGGGGTGCCAAGGGCCGNATTGNACCCGTTTGAAGTCNA
GGGGGTTGGTNGTGGTTTGCACCCAACCTTTGGNTCCCCGTNGCCAACAACGCCANGATC
CCNTGGGCCANTTTTNGAAGGGGAANATTAAGAACTTGGGAAGNAAACCCNNGGGGCNTT
GGGGTAACCCNTTGGCCCCCNGGGCCCGGGCCCCGCTTCTTAAGAAAACCTTANTTGGG

Table 2

NANTNCCCCCGGGGGCTTGGCAAGGGAAAATTTCCNTATTANTTCNAAAGGCCTTTAA
TNCGCATTCCCCGTTNCGAACCCCTTNNAAANGGGGGGGGGGCCCCC

Sequence 3681

CTATANGGCGAATTGNAGCTCCACCCGCGGTGGCGGCCGAGGTACTTCANNTNNTTTTTT
NNNTTNNTTTTNTTGGGNNNTANCNGGNNNGGGTCCGGAGAAANAAAAATTTTTCGC
CTGCTGCCTTCCCTGGATGNGGNAGCCCGTTTNTNANGCTCCCTNTCCCGGAATCGAACC
CTGNTTCCCCGTTAACCCTGTGGTCACCATGGTAGGCACGGCGAACNTACCATTGAAAA
GTTTGATAAGGGGCGNANAACGTTTTCGAAATGGGGTNAANCCCCCNCCCANGGGGGCCCC
NGCNTTTTACNTTTGCCCCGGGNCGGGCCCGCTTNTTTANAAACCTTAGNNGGGNATACC
CCCCCNGNGGCCCTTGCNANNGGAAATTTCTNATNTTTTNCAAAGCCTTTATTTCTNTAT
TAACCCCGTNCCTGAACCTTNTCTNAANGGGGGGGG

Sequence 3682

NCTCCACCGCGGTGGCGGCCGAGGTACGCGGGGTGGCTGGCGACGACCCATTGAAACGTG
NGCNGNAGNGAGCTTTCGAANNNAATAATCTTTCNTACNATGGNGACCACGGGTGACGG
GGAATCAGGGTTCGATTCCGGAGAGGGAGCCTGANGAAACGGCTACCACATCCAAGGAAG
GCAGCAGGCCGCGCAAATTACCACTCCCGACCCGGGGGAGGTAGTTGACGACAAAAANA
NAAAAANAAAAAGAACANGTTACCTTGCCCCGGNGCCGGCCCGCTCNTAAGAACTAGGT
TGGNATCNCCNCCGGGNCCTGGCAANNGAAATTCGGAATTTTNAAGCCTTTATCCGANT
TCCCGTCNGNACCCCTTNNAAAGNGGGGGGGGGCNCNCGGTNACCCCAAGNCTTTTTTT
GGTNTTCCCCCTTTCTAGNTNGNAAGGGGGGNTTTAAAT

Sequence 3683

AGGTACTCAGGAGGCTGAGAACACAGGCCCTTCTNTNNGANNGGNGTGTATGCANGN
AANANNTANTNNTNTTTTGGCTNGTGCCACAACAAACAGCCCCAACAGATTGC
CATGAGCATGCTAGCCTGGCTTGGTGTTGACGATAAAATCAGACTGGTAAGTGCAGTCA
GTGTTCAAGAAAGAATCTCCAGGCTCTTCTCCCATGACCTGGTTTTTAAATCAGCATT
ATACAGCCTGCTTTACCCATCTTCTCTGTCTCTGCAGATGAACNCCGGNTCCTAGGCAA
GGGGACCAAAAAATCTTGTNCAGCCTGGAGGGAAGGTCTTGAAAGAAACATTCCTTG
GAAGGATTGATGACCTGCCACNTGCTCAATTCGTTGGGGCCAGNAATGCCAGCTTCCAT
TCNTACCTTGANGGGCTTNAAGGGGGGAAAAACCTTTTACAACCACCGTTGGANGGAAA
AGGGCNGCCAAATCNTTTTGTGGGGAAAGGGGTTCAACCTTANGAAATNGGGGCNAGG
NGGGCCAGCCNAAAAATAAGGGGGGGCTTNCCAAANTGCCANCAGGTTTNTTGGCCAAGG
TTTAAACCTTGGGGG

Sequence 3684

TCNCCCCGGTGGCGGCCCGAGGTACGCGGGATTCCCAGCAGTTTGAGAGGCCGAGGTGGG
CGGNNGGGGNTCNCAAGGNNANNAATTTNTTNCATNCTGGCTACTACAGNGAAACCCTG
TCTCTACTAAAAATACAAAAAAATTANCTGGGCATGGTGGCAGGCACCTGTAGTCCCA
GCTACTCAGGAGGCTGAGGCAGGAGAAATGGCATGAACCTGGGAGGCAGAGCTTGCACTGA
GCCAAGATCACGCCAACTGCACTCCAGCCTGGGGGGACAGNAGCCAAGGACTTGTNNACA
ATAGTAAAAAAATAATACNAAANNAAAAAAAGTTACCCTGCCCGGGGGCCGGCNCGC
TCTTANNAACCTAGGTGGGATCCCCCCCCGGGGCNGTCCAGGGAAATTTCCNATATNCAA
GGCTTTATTGGATTACCGGTCCNACCCTTCNAGNGGGGGGGGGCCCCGGGTACCCCAA
GCCTTTTNGTTNCCCTTTTAAGT

Sequence 3685

CCCNATTTGGAAAAATCCGGAGCTCCACCGCGGTTGCCGCCGAGTTTTCCCACANTTTT
TCGCCGAGCCGCANACTCACNGNGCGGGNTTTTACCACCCAANNANNNNCCCNNGCTAC
CT

Sequence 3686

AAACCTGAAAGAATTGACCAAAAAATACTCCTGAAATGAATAAGCAATTACAGTAAAGTTG
CAGGATATAAGGTTAATATATAAAAAGCAATTGCTGTTCTACATACCAGCAATGAACAGT

Table 2

AGAATTTGAAATTGGAAACACAATACTATTTGTATTAGCACCCCCAAATACTTAGGTATA
AATCTAACAAAATATGCGCAAGGTCTGTATGAGGAAACTACAGTAATCTCATGAATGAA
ATCAAAGAATTAAATAAATGGGGGATATTCTATGTTTCATGGATAGGAAGATTCCATACTG
TCAAGATGTCAGTTCTTCCACCTTCATCTATAGACTTTTTTTCTTAGATGGAGTCTCG
CTCTTTCACCCAAGCTGGAGTGCAATGGCGCCATCTCAGCTTNACTGCAAACCTCCCCCT
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CGCTTGGACCTNNGGAGGCACAAGGTTGTTAGTGGAGCCGATTAAATTATTNAAAAAGTT
TTTANGAGTTCCTTGCCCCGGGGCGACCCNGCTCTTAAGAACTNNGGGGAATCCCCCGG
GGCCTGCAANGGAATTTCCGANTTTCNAAGGCCTTTTTCGGANTNCCCGGCCNAACCTTN
GAAGGGGGG

Sequence 3687

NCTCCACCGCGGTGGCGGCCGAGGTACCATCAAGATGGNTTATAGTTTAAGTCAGTCTCCN
AAGTNTTATGAAACACCCACTCGGTTTTTCAGTAAGNAGTGGNGAACTCGGTGTTTAGCC
TCTTCCCNAGAACTTANCGGNAGGTTCCGTATTAAGCTGCAGTGTGTCAGTGTGGATGGA
GCCCTGCT

Sequence 3688

AGGTACCTTTTCTGCAGCTGCGCGGTATGTCTGANTGACTAAGGGGCAGTCGTGAGAGG
CAGAGTCCAAGATCTCATTGGTCGTTTCCAGACTGCCGTCCAGCCGGTGTGATTNATCA
GGGCACACTCCCCGCGTACCTGCCCCG

Sequence 3689

CGCGGTGGCGGCCCGCCCCGGGCAGGTACTTTTTNATTTTTNATNTATNNTTTTTGCGCGT
NTGCTGCCCTTCTTGGATGCNGTAGCCGTTTNTCANGCTCCCTNTNCGGAATCGAACCCCT
GATTTCCCNCTACCCGTGGTCACCATGGTAGGCACGGCGANTACCATCGAAAGTTGATAG
GGCANACTTTCGAATGGNTCGTNAGNCGCCCCCGANGTACCTCTGCCCGCNTTAAANT
ANNTGGNATNCCCCCGGGCTGCANNGAAATTTNATAATNAAAGCTTTATTNNATAACC
CGNNCAAACCTTNNAGGGGGGGG

Sequence 3690

ACTTTGTGTAGAGATGGGGTTTACCATGTTGCCAGGCTGGTCTCGAACTCCTGGGGCTC
AAGCAATCCGCCCACCTTGGCCTCCCAAAGTGCTGAGATTTGTATTGCCTCCTATAACAG
CCTNCTATGGTAAGATATCTGCCAGAGTCACAAGCCCTCCCAGGGTTACGGNCACTCT
CTCAGCTGGGGGAGTGCCAAAGCCACACCGTGAGAGCAACACTGGATGGCAGACATCGCT
GTGGCCAGCTTAGGGAATTACAGTCCAGACATGCTGACTGNCAAGGGAAATGGGCC

Sequence 3691

AGGTACCATAGACCCCCTCCCATACTATGGGGACTCCCAGGCACTCCACAAGAGCTAGGT
GAAATTGAGTTAAATGACAGCTATAGACCATAGGAAAAATTGCTCAAACAATTTAGCC
TGGGTAAATGAGAGGTGCCCCATTAGCTTATTCTACCCAGTTACCCCTTTCTCTCCAGGT
GATCAAGTGTGGATCAAGGATTGGAATGTAGTCCCCTTGTGACCACGGTGGAAAGACCCC
AGACCGTCATCTTGACCACCCCCACAGCTGTAAAGGTTGAAGGAATCCAAGCCTGGATCC
ACCACAGCCATGTGAAACCTGCAGCCTCTGAGACCTGGAAGGTGAGACCAAGCCCAGACA
ACCCCTGCAAAGTGACTCTGAGAAGGACGACAAGCCCTGCTGCAGTCCACCCAGAAGCTG
ACTCATCTATGCACAGCCAAAGCATGAGGAAACTCATCGTGGGACTTATTCTCCTTAAAA
TTTGGACTTATGTAATAAGGACTTCCACTGATTTTCCCCACATGGAGGACTTGTCCCAA
TGTATTCATCAGGTCACTGAGTAGGGGCAACAAGTTTAAACAGGTTTCT

Sequence 3692

AGAGTGTCTCCCTGTGTTGCTCAGGCTGGAGTGCAGTGGTGTGATCTCGGCTCACTGTAA
CCTTCACCTACTGGGTTCAAGTAACTCCCCTGCCTCAGCCTCCCGAGTAGCTTGGACTAC
AGGCGTGCACCACACACCTGGCTAACTTTTTGTATTTTGTAGTANANACGGGGTTTTGCC
ATGTTGCCCGGGCTGGTCTCGAACTCCTGACCTTAAATGAGCCTCCTGCCTCAGCCTCCC
AAACTGCTGGGATTACAGGCACGCGCCACCGNGCCCGGCCCGCGTACCTGCCCCG

Table 2

Sequence 3693

AGGTACATCAGGGCAGTTTCTANGGCCAATCTCTCTTCTTGACCTTCTTGGAATTTG
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CCAATGTGGGTGGCATCCACATTTTCCACCACATGAGTGCCATCTTCTTANCTGTAATG
TAAATGAGGTCGCTGTTGACCTCTGCAAAAACAAAAGGTGCATCAAATTGGAAGCAAGAC
ATGGCCCGTGCTTGATGGCTTGGAACCGAGGGCGGGGCCACACCCGATACATGGCCAT
NCGCTTATTTTCTGGGGNNGGGTGCTGTCCACAAGCTTGCCAGCCTCCAAAAATCNC
AACCAGGGAAAGGGTCAAGGGCCCTTTGTATCCCATGCTTTTCATTTCCAAGCCAGGTG
GGTAAGTTTCCACACCTNGAATNCCTTTGGGTGAAGGTTTNGGAAATTTCAACGTTTNC
CAATTCCTTTCTTCCCAGGAAAANNATTGTCCCATTTTGGCAAAAATTTGGGGCANTCA
AATTTATTCAATTGGGGGCCATGAANGAAAAATAAATTTTNGGTTAAACAAAATTTCTT
TT

Sequence 3694

CCGGGCAGGTACGCTGGATCCCAATTCACCGGGACTTCATTTGACTCCTTTCTCATCC
GCATGCAGGAGGAGGAGAAGAACCCCAACACGGAGTTCTACTTGAAAAACCTGGTTGATG
ACCACGTTGAACCTCTTNATTGGGGCACCACCGTACCGTACCGTACCGTACCGTATG
GNCTTCNTTGCTTGCTCAATGAAAGC

Sequence 3695

GGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGCAGATCACC
TGAGGTCAAGGAGTTTGAGACCAGCCTGGCCAACATGGCGAAACCCCATCTCTACTAAAAA
AAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 3696

CCGGGCAGGTACTTAAGCCAATTTCTTTGAATAATTTTTTTTTTACATTTTATTTTAA
AATGAGACAGAGGCTGGGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCTG
AGGCAGGCGCATCACTTGAGGTCAAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAC
CTGTCTCTACTAAAGATACAAAAAAAAAAAAAATTAGCTGGGCATGGTGGTGCATGCCTG
TGGTCTGAGCTGCTCGGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGACCCGGGAGG
TGGAGGTTGCAGTGAGCCGATATCGNGTCATTGCACCCAGCCTGGGCGACAGGGCGAGA
CTCCGTCTCAAAAAAAAAAAAAACAGAGAGACAGAGTCTTGGTATGTTGCCCTGTCTCCAAC
TCCTNGGGCTCAACTGATTNTCCTACTTNANCCCTGGNAGTANCTGGGACTNCAGGCAC
ACACCCACCTTNGCNTGGCTNTTTAAANCTTAANTTTTNTTTTNGGCCCTTTGTAGTTT
TCCACATTTCCANTTCCTTCATTTTATTTCTCCNTTTNCCCCCCT

Sequence 3697

CCGGGCAGGTACGCGGGAGAGGAGTAGCTTTGCCATCAGTCACTTTACAAACCATTT
CAAGGAAGGACAACCTCTCTGGCTCCTGACACAAGCCAGGCCCTCGGTGCTTTTATCTGTT
GTGGTGGTTTTTCTTCTTTCCCTTTTTAAAGACNCATGACCAAGACAACCTAGGGAGTT
TGCTTGCTTGCCCTTTGACTATTTCTTAATCTAACCATGCTCTCGAGGGCTGAGCAGAG
ACTAGACTCAAGGCACAGGTTTCTGGTGATGGAGTAAAGTTACAGCGGTATCTCATGTCT
ACACAAGAAGAGGAACCGTTCTGAAAGCTCCAACAATCTTGAGGGGGATGGACCAATA
CAGCTTTGGGCTCAGGATTCCCTAGCCTCCTCTGCCCATCGCGTGCACTGATTGGAGGAG
TCTNGCCCAACACTCTCATATGAACCTCGACATGCTGGAGTGGGGTCTGGCANGAGCTG
ATGACAGTTTTTGAGGGACTTTGAGTGTCCCTAGCCTGGCCAGTTGGCTCCCGGAAGCACT
ANACACTGACACTTCATTGNTAGACCCTT

Sequence 3698

CCGGGCAGGTACTAGATAAACATGCATGTAACGCAGGACCCATGTTCACTGAGAGGTGAG
ATTTACATTTACATGTAAGACAATTAGGCCCTATATGGCCAAAGGTGAGGCGCGGCCCCG
GGAGTCACTCCAGTCACATCCTCCATAGACCAGCAGAACCAAGTCCGTGGCCAGTGGTGTG
TTATCAGGAGGAAGTTATGGAAAGTGACGCTGTAGTTATGGCCGTGAAATGGGGGGTCA
TTAGTGCCTGGCAGCGAGCCATCACTGTTTCCATACCGCTTGCTCAGGCCAGTGCCTGC

Table 2

TTAACTGCTAGAGGAAAAGAAAACCCAAGCCTTATTCTTTAACTGTAAGGGTGTGTGACT
TAACCCCGGCCTGGCACGGCCTTAGGTCCTGATTATAACTCGGCGTCTTATTGCCGCAGA
GTCTGTCAAGTCTCGTGATCTCCACTTTAACACTTAATGTTGGGTCAGNTTGTGTCTAAA
NTGAAAAAGGGGNTGGCAGNATAACCAGGTGTGTCCAAACCTTCCATCNTTTTATGGCCC
GGAAACTCAATTTTTTAAGG

Sequence 3699

TCCACCGCNGTGGCGGCCGCCCGGGCAGGTNCGCGGGGTTTAGAAATGAAACAGTTAACA
CAATCATAAATGTAGAAGATCATGCTGATATTTTGAATAACATTCAAAACCAAGTNCCC
AGATCTCTGTCTCTTCACCTTCCCAANNTGCTGCTTCTGCANCATNTCCCNCTTAGTA
AAAAGCNGAGCCTTTTCTNTNAGTTCCTCATGCCAAAACCTTGCCGNCNGCCCTTGACTC
TTTTNTTCTCTACATANACAGGCCAGACTCATCCTTGACATCCTGTTTCATTGTAACC
TCTTAANGATATATCCAGGCATTCAACCANNTTCTTTACCACGCTNGCACTGCTGCTTTC
TTATGGNTGCAAGCNCACAGTTACCTCTCACCGGGACCANTGGGCAATTANGCCTTCTCT
NTNCTTCCCTGGCTTNNCCATTTTTCCACCCCTTGGCNCCTCACTTACCAAAAACCTNT
TTTTCTTCCACAACCAAGCAANNCACACCCAGNGGGGGAAATTCCCTTTTTTA

Sequence 3700

NCCGGNCANGTACAGGTGTCCAAAATGCGCTGACTCAGCTTACCAGCCCATCTCNNGA
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CTTTGAACCANCCAGCGCTTGGCCAGCCCTCCNCANGNACNTGATGGNGACNTNTTGTG
CTAGAAAGGTGGCGANTGGTTCATATTTGCNANCCCGNAAACACCATGTCTCCATGAGAA
TCTNATCAGCTAANATGGGGGGACACCACTGTTGCTTGCANCCAACCTTGCTCAGGGAATN
TTTCTTGTAAGNATGGACGGTTTTTGTCTTNGAACACCTTGACCCNNACNAGGGGGGGTTT
TGGATTGGGATTTATTTGGACAAAANTGNANGGANCAAGGCTTGNCNTTTTNTNCATTN
ANATTTANGNATAATTTCCCAAGCTTGGTTTTTCAAGGGNTTCAAATTTTTTCCCNCAA
AAGGANTTTNTTCTTNTTTNGGCNNAANCAAAAAATTTTGGTTATGGAAGTTTTTGGAAC
NCNTTCAAATTTTNCCTCAATNAAGGAACCTTCAANTCNCNAGGNANNTTCTTTTGGTT
AGGAAGGAAGNAAGGAAAAACCAANGNGTCTTTTGGGNAAANCCANGGTAAATTGNT
TTTTTNGCNCCCTTGGG

Sequence 3701

CTCCACCGCNGTGGCGGCCGCCCGGNCAGGTACCTGTGGTCTCAGCTNCTCGGGAGGCAT
GAAGTGGGGAGGATCGCTTGAGCCCAGGTGGTCGAGGCTGCAGTGAGCTGTGTTTATACC
ACCACACTCCAGCCTGGGCCGCANAGTGAGACTTTGTCCAAAACAACAACAACAACA
ACAACAACAAAACTGTAGCTTCCATTTTGGGTGTNCTCTATTGCTCTGTCTTGATCAT
TCACTCTGGGNAGNAAGCCAGCTGCCAAAGGCATTTCTNCCANCGAGGCCACCATGTAA
TGGTAAACAGGGCACCATGANTTGAGCTTGGGGAAGCCTNATCCTTTCCTAGGTTGAGCN
CTTTGATNACCTGCAAGNCTGNTGGCTTGGACACAANCAAGTGAGCGTTTTTTTGAAGG
GATCCCTAAAACCATAACTTAAACCCAGCTTAAAGTCTTTCANATAACTTGTTCCCTTGC
CAGAAAACCTATGGAGGATAAATTANAATGGTTCATTTGTTTTTAAGCCTACTGAAGTG
TTTGGGGGTTTATTTTGGTTTGNACCCTTNGGGGCCCGCTCCTTAGGAAACNTAAGTGG
GAATCCCCCCCCGGNGCCTTGGCAANGGAAATTTTGGNATTATTCANAGGCCTTTATT
CGAATTACCCCGTTCCGAACCTTCGTAANGGGGGGGG

Sequence 3702

AGGTACAGTTGGCCCAAATGAAGAGCAGGCAGTAGTAGAGGATTAAGGGCAAAGTGCCT
TGTTGTTAGGCCTGTCAATGAAGATGTGGGTGAGATCTGTCTTGGGCAACAACGATATT
AAGCTGAGGTCTGCAGTCTCAACTTGCCACTAGCTTAATGTGCCTCCCATGGGGCACAGC
TACTGAAAGCTGATGCTGCCCAAGCATTTAGGGAGATAATTATGCCACTTGGACCACACT
GGTGCACTCTAACCCAGGGCTGGGGCCAGAATGAGGTAAAGGAGGCACCACGGGGGTA
AACCAAGGAAGCACTCTCTTGGCACCTGCAAGCAAGCACCAACTTAAATGTATGCCCA
GGTGCTCATTTGTCTACCCCTAGCCCTGGCCCTGCTAATCCGGGGCACACCCCTTTAG

Table 2

GATAACACGGACTAATTTGGACACTTTCCCCAAACCGTATCCCAGTTAGACATGATGGTG
GAAAAGGTCTAACTAAAGACATTGCANGGGAGATGGGCGCGGTGGCTCACGCCTGTAATC
CCAGCACTCTGGGAGGCCCG

Sequence 3703

CCGGCAGGTACNCGGGCGGGAAGGCTGAGACAAAAGAGAATTCATTCTGCTGTAAAGAC
AAGCAGGAGGGTTCGACATGGACTGAAATCACCTCTGCAGCTGGGAGGGCTCTTCTGGGC
GTCCGGGCAGCTGCAGCTGAGAGGACTTTCACACCATAAGGAGATTTCTGTTTTCTTTT
TGGCTGTTAATGCTTGTCTATAACATTTGGTAGCCATTCACCAAGGAATGTTCAATTTGG
GAATGGAAGGCTTGCAAGGGCACTNNGTTGGCAGTACGTTCTTTTATAAGGCCAGTTCAC
CCATGTTTGTCAAACCTTTANATAATGGCACCTTATGTTATTTAGGTCACCAATTAA
NAATCNAGTAACNTGAAAGATNANTAAATNATAAANANANNGNNGAANTAAAGTGTC
CCCTTCGGGCCGGNTCTANGAANCTTANNTGGGAATCCCCCGGGGCCTTGCAANGGAA
TTCCNATNATTCAAGGNCCTTTATTTTCNGATAACCCGTTTCGGACCNCCTTNAGGGGGG
GGGGGGCCC

Sequence 3704

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTAAGCCAAT
TTCTTTGAATAATTTTTTTTTTTTACATTTTATTTTAAAAATGAGACAGAGGCTGGGC
GCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGGCGCATCACTTGA
GGTCAGGAGTTTGAGACCAGCCTGGCCGGCATGGTGAAGGCCCTGTCTCTACTAAAGATAC
AAAAAAAATTTGGCTGGGCATGGTGGTGCATGCCTGTGGTCTGATTCTCCTGCTTCAGCC
CCTGGAGTGGCTGGGACTGCAGGCACACACCACCTTGCCTGGCTATTTAAGCTAATTTCT
TTTGGCACTCTGTAGCCTCCACATTCAGTTCCTCACATTTATTTTACCTATAATTTCTT
CTACCAATTCTCCTGTATTTCTCCTTTTCTTTGCTTCTCCTGTTCTCTGTGGTGTCTTC
CTTTGTCTCTCTTTGCCTCCTCTTGCCTCCCCTATCTTTTTTTCTTTTAGGTTGGGTTT
CCTTTTTTCCCTTTAGGTTTTCCCTTAGGTCTTCATGGGCGTTGCTTTCCTCACTAACA
GTTAACATAAAGACGTATTT

Sequence 3705

AGGTACTTTTTTTTTTTTTTTTTTTTTTGGAGACGGAGTCTCTCTCTGTTGCCCGGGCT
GTAGTGCAGTGGCACGACCTTGGCTCACTGCAACCTCCGCCTCCCAGGTTACGCCATTC
TCCTGCCTTAGCCTCCAGAGTAGCTGGGACTACAGGCGCTGCCACCACGCCTGGCTAAT
TTTTTTGTATTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCAATCTC
CTGACCTTGTGATCTGCCATCTCGGCCTCCCAAAATGCTGGGGTTACAGGCGTGAGCCA
CCGTGCCCAGCCCCAANATACTGGGCTTTTACAGGGGAATGGCCACATCGAGGGTCAAGA
AAATTACTGTAAGTGGTAGGATTTGGCTTATGATAATGTGTGTATGTGCATATACCCA
AGCTCACAATACACATGCCATTTATCTTGTAGAATTAGAAAAATGACATGTTTTCTGAA
AATGAGGGAAATAAATGATCAACGGGGTAGGAAGAGTGGTGGAAATATTGTAACAGATTT
GATCACAGTCAAGTGTNTTTTTTTTCCAGTCCA

Sequence 3706

AGGCTGGAGTGCAATGGTGCACCTCTCAGCTCATTACAACCTCCGCCTCAACGGTTCAAGC
AATTNTNCTGCCTCAGCCTCCAAAGNANCTGGGATTACAGGTGCCTGCCACCACNCCTAG
TAATTTTTTTGTATTTTANAANAGACTGGGTTTTGCCATGTTGGCCAGGCTGGTCTCAA
ACTCCTGACCTCAGGCAATCCACCTGCCTTGGCCACCCAAAGTGCTGGGATTCCAGGTGT
GATCCCCTGCACCTGGCCACCAACATATTCTCATTTGGTATTNAAAAATTGTCNTAA
NAANAAGTNTGTTTCATAAAGCACGNTACACTGTATATNTAGGATGACATCCTTACCA
AACCTAGTACCTGCCCGGGNGCCGCTTTAGAACTAGTGGACCCCCGGG

Sequence 3707

GACAGAGTCTCGCTNTGTACCCAGGCTGGAGTGCAGTGGCATGATCTCGCCTCACTGCA
AGCTNTGCCTCCAGGTTTCATGCCATTTCTCCTGCCTCACCTCCCAAGTAGCTGGGACTA
CAGGCGCCCGCCACCACGCCCGGNTAATTTTTTGTATTTTAGTAGAGACGGGGTTTTGC

Table 2

CACGTTAGCCATGATGGTCTCAATCTCCTGACCTCATGATCCGCCCACCTNAGCCTCCCA
AAGTGCTGGGATTACAGGCGTGAGCCACCGTGCCCGGCTTAGAACCTCATGCATCTTAT
TAAGAGATGCATTTTCAATAACATTTTATATTTAAAGTNTTTTCAAATGCTTAACAT
ATTTGTTTTAACTGACTGTATACTAGAAATAAAATGTNGAATAAAATTTAATACCCAGA
GACTTACAAACATNTNTGTTCTACCCCATGAACAATAAGACATTACATTTACTATCTT
ATATTTTGCTGCTTTTTTCCATTTAACATAGCATGGGNGNATCTTTTCCAGGNCAAGAAT
ANCATAAAAGGNTTTTCTCATTTTAAAGANGCCTTTTNTTCCCGGGCGTACCCCTTNGG
GNCCGTTTTANNAANTNAGGGGGNTNCCCCCGGGCNTTGGGGGGAANTTCGNTATCAAA
GCTTTNTNGGATCCCCGTTNACCNNNNANGGGGGGGGCCCC

Sequence 3708

AGGTACAATTCATCCAGAGACAAATTCCTCTTCAGCTGTGAGCCTATGAAATTATACAGT
TATATGCTTCCAAAAGACAATAGTGGGACAAACAGGATAGATATCCCACTCCAAAATGG
GGCAACAGGAAAGAACAAGGGCTAACAGGTTCTAACCAAATCCAAACACCTCAGATAAA
CAACAAAAAACTCAGTAGGGCAAACATTAAACCCTGAAGCTTGGGTGTAGTCTTTTACTC
CCATTTCTCATTTTCTGGACACACTGGGGTGGAAAGTTGGACCCCCAAGGCTCCAGGCAAC
CCTACTTCATCACATTGCTGGCTGCATTTCTTGTTGTTGGAGTTGCATGCCTTTGGGTC
TCCCAGCCTGGAGTTGCACCCTGGTGGCTCTACTGGTCTGGGGTCTTGGGATGGCCCTGC
CTGGGCAACTCCACTAGGAATTGCCCTGATGGTGACTCTCTGCATTGGCCTCACTCCCAC
GGCTGTGGATATTATTAGATACCTTACTCATTGTTAAAAACAGGAATAATTTTCAA
TGAGCATATCGCGAGACAAATACTTTATATATTCTGGGNCTTTCAATCCTTCANGTAAGT
ATAATTTTCATTTACAGAGGAAGAAACCAAAAGCTCAAAGAGGCAAGTAAATTAATC

Sequence 3709

AGGTACCCGTCTAGCAGCTGATGTGGGTAAAGCTGGAGCTGAAAGGGAATCCGAGGCCT
CGGTGACTGCCTGGTTAAGATCTACAAATCTGATGGGATTAAGGGCCTGTACCCAACAGA
GGTGGCATCAGCAGCAGGGCGGCGCCAGGAGGGGCAGCAGCCTCACGCGGGAGCTCTCC
ATCGTTCTGAAACTCGTCGTTCCCGCGTACCTGCCCC

Sequence 3710

AATNTGGGGGNAAGGCCCTTCCCCCAACCCCCGGCCCCGGGGTTNGGGGNCCGGGGGCCCC
CGGAAAGGGGNTTAACCCGNGGAAATTGNCCTTAACCTTTTNGGTTCCCCCAAATTTGGN
AATTGGGGGGTTAAAAAAAAGGGGGGGGTTAAAGGCCCTTTTAACTTGGGGGTTTTT
GGTNCNCTTCCCCGGAATTTTTCCAAGGGGTTNTTAAGGAAAANTNGGAAAGNNGGAAG
GGGTTTCTTGGCCGNGGCCTTTANGGGGAAAGGTTTCAAAAATTAAAAAAAGGTTGGG
AAATNTGGGGGCTTTAAAGGTTGGGGGGGGCCCGGAAAAAATTAATTTTTAATTGGG
CCTNTTTTGGTCTTGGGTATTNTNGGGGAAATTANTTAAATTGGGGGNAAGNNGGGAATT
GGGGGGGGGGAATTTTAAATTTTGGCCCTTAAGGGGGAATTTNGCAAGNNGGAATTTGG
GGGGAATTAAGGGTTAAAAATTAAGGGGGGGGGGCCCAAAAAGGGGGGNAACCCGGGCC
CCTTTCCCCCTTAAAGGNTTTTTTGGGTTTTTAAAGGGGGGGGGGAAACCCGGGGGAAT
TTCCCGGGGGGAAAGNAAAAATTTTTGGGTTGGGTTTAAAGNNGGCCCCGNAAAAAA
TTAAGGGGGGNAAAAAAATTTAAATTTCCCAAATTTTTCCCGGGGGGGGGCCCTTTT
TTGGGGAATTTGGTTTTGGGGGGGGGGGAAAGGGGGGGGGCGGTTTGGGTNTTTTTT
TAAAAAGGGGGGGGGGGGGTTTTTTGGGGGGNCCCTTNAANGGGGGGGGNTTANATTTA
ANAAATTTTGGGGGGTNCNTTTGGGGGGGGGTTTCCCGGNCNCCCTTTAAAGGGGGGA
AAAGGGGGGTTNCCTTTTGGNNGTTGGGNAAAGNNAAAATTAANGTTNGGNTTTTTAA
AAAATTTGGGGTCCCCAATTNTTAAAAAGGG

Sequence 3711

GGCGGNCGCCCGGGCAGGTNCATACTTTTGACAGGCACTGAGTGGCACTGTGCCCTGCCA
CTGTTGCACCAGCAATATTCACCCGGTTGCTTCTGAGCACAGGGCGCAGCCATGACTGA
TGTTGCTGGTATATCATCTGCGTTTTTTCATCTCTGCAGATCACTATGAGAAAAGACAGG
CCAGCCTCATCAGAGTATGACTCAAAATGAAATGCCTCACTACCCCTGCACCTACTGAGA

Table 2

AAACTCCCTCACTTGCTTTCTATAGACTCCATTGCATACTCCCTTATTGAAGAGACACAA
CTGGAAGACAACAAGATAATGAATACTGGCCAAACACGGTGACTGATGCTGGTAATCCCA
GCACTTTGGGTGGCCGAGGTGGGTGAATCACCTGAGCTCAGGAGTTGAGACCAGCCTGG
CCAACATGGTGAAACCCCATCTTCTACCAAAAATACAAAATGAGCCAGGCATGGTGGCA
GGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGTATTGCTTGAACCCAGGAA

A

Sequence 3712

GGTGCAGTGGCTCATGCCTGTAATCCCAGGACTTTGGGAGGCCAAGGCGGGCGGATCACG
AGGTCAGATCGAGACCATCCTGCCAACACGGTGAAACCGTCTNTACAAAAA
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Sequence 3713

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CCCTTATTGGTTGGACCGACCAAAATGCCAGACACAAACCTTTTCGTTACCTGGGGGG
GACCTTTTCTTAACCACNCAAACCANGCAAACCTTGGNTNGTCNANAGAGTATTGNCAA
GACNCCGCTNCNGGATNTAGGAATTGGTATCAATATCCCGGCGNGGAAAAATTTAAAGG
GGGCNATTANATTGGCCCCCCTTGNAAATTGGAATAGNCCTTTGGCCCTNNGGTTAANAA
TANCCCCGCCCCCAATNCCCAAAAAAANAANANCCNAAAANCCCCGGGGGGTTNTNTG
TTAAATTTAAACCCNTAAATTTTNGGGGAAAAAAATTTNNCCCCNTTAAAAANAAGGGG
GGGTGNAAGGAAAAAAATTTAAAAANNTTGGGGGGGNAAAAAGGACCCCCCCTTGGG
NTNCCCTTTGGGGTGGTTATTGGGGCCCCCAACCNAACCGCCCCCAAGGGGGGTTG
GGGNAANTNTNTNCTCCTTGAANAAAAAGNAAAAAAACCCTTTTGGGG
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CCTTTAATTTA

Sequence 3714

GGGGGAAAGGCCCTTCCCCAACCCCCGNCCGGGGTTGGGGGGCCGNGNCCCCGGCCN
CCCCGGGGGGGCCCAAGGGGTTTAACCCCGNCCCGGGGGGGGNAAAAATTTTNGGGGCC
CCGGAAGGGGGAAGGGAAGNCCCGGCCCGAAAGGGGGGGCCTTTAACCCGNAAG
GCCCCGGTTCCTTTCCCTTGGAAAAAGNGAAATTGGCCCAAAAAAACCCTTAAGGCC
CCGTTTGGGGGGCCGGGGGGCCCCCGGCCTTCTTAAAGGAAAAACCTTAAGGTTGGGG
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AATTTAATTTCAAAAAGGCCCTTTTAAATTTCCGGGAATTAACCCCGGTTNCCGGA
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AGGGGTTNGGGTTTNAAAAAAAGGGNCCCCCTTNGGGGGGGGGGGGGTTTGGGGC
CCCCCTTTAAAAAATTTGGGGAAAGGNTTGGGGAAAGGGCCCTTTAAAAAAC
CTTTTCCAAAACCCAAAAATTTT

Sequence 3715

ACCGNGGTGGCGGGCCGCATTGCGCTTGGGGAGGTCCTGCTTGTTGGCGAACACCAG
GAGGACAGCATCCCGGANCTCGTCTCGGCCAGCATCCTCATGAGCTCCTNACGGGCCTC
GTTACACGCTCTNTGTCTGCTGTCCACCACGAAGATCAGGCCTTGTGTGTCTGGAA
GTAGTGGGCGCCACANGGGCGCGGATCTTGTCTGGCCACCCACGTTCCACACAGATGGA
AGCTGGATGTATCTTTGTACCTCGGCCCGCTCTTAGAACTAGTTGNGATCCCCCGGGCT
TGCAAGGAAATTCGATATCCAAGCCTTATCCGAATACCCGTNCGAACCCCTCGNAGGGGG

Table 2

GGGGGCCCCGGGTACCCCAACCTTTTTGGTTTCCCTTTTAANTTGGAGGGGTTANATTGC
CGCCGCTTTGGGCGT

Sequence 3716

CCGGGGCCCCCGGAAGNNGGTTAACCTTCNNNTNTNTNTNTTGTNTNTTTNTNTNTNTNT
NTGTNTNTNTNTNTNTNGGCCAAAAATTNGGAAAAAAATNAAAAAAATTGGGTTTT
TTTTTTTNAATTTTAAGGGGGGCCCAAAGNAAAAATCCCAANAAAAATTGGCCCTTC
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NGTTAAGGTTTTGGGGGAACCTTTTAANGGGGGGAAAAANCAAAAAAGGGGAAAAACCCC
TTTTTTAAATNAAAAAAATTTTGGGGGGGANCCAAGGCCAAANGGAAAAAGCCCG
AANGCCTTTTAAAGNTGGGAANTAACCTTTTGGGNGGGGGGGCCCCAAGGGGGCCAATT
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AAACCCCNNTGCCNACCTTTGGGNNGGGGGGGGGNTGGGAAAAANTTTCNTTTTTNGC
CCCCAAAAAGGTTNGGAATTGGGGGGGGCCCCCAGGCCNCCCCACCCAAAGGANCCCCA
AANGNCCNCCCGGTTTTTGGCCCCCAAGGGNAANANCCCCTTTGAAANGGTTTTNT
TTCAAAGGGGAANTNCCCNCCCGNTGGCCCCNAACTTTTTTNGTTCNAACCAAANGGN
GGGCCANGGCCNTNCAACCTTNTCAAAGGGGGGGNNGGGGGCCAAAAAAAGGGGGNGC

Sequence 3717

TTAATTAAGGGGGCGCGAAAAATTTGGGGGNAAGACCTTCCCCAACNCCGGCGGNGGTG
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TNTNTATGTCTNTCTNTGTGTATNTATCTNTNTGGGGGGNGGAAANTNCCTCTCTNT
NAATNTAAATNTNTNCCCCAAACCTTGNAAGANAACCAANACCATTTTTTTTTTCCCA
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ATTGGCCTNACCAGAGGNTCCAATTGGCCACAATTNTNCCAGCNAATTTNTCTCCACAN
TGANGCCTAGTNTNCTTGGAACCTAGNANAAANTTTTACAAAGGGGACCAAAATTTCCC
CCAAATNTGGGGNNGGTNNCAAAAAACCAATTTTTTTNAAAANTTGGGAAAAANTTA
AGGGTTAAAAAGGTTNTCCCTTAACCTTTTTTTTCTTGGGCCCCCCTTTTGGGGGGG
GGTTTAATTTAAATNAAAAAAATTTGGGGGGTNGGGTCCCTTTTTTTCCCAAAGA
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AAAATTTGGGGGAAACCCCAAGGGTTTCNAAAGGGCCCCCCCCCCTTTTNTTGGGGGGG
CCCTTTGGGAAAAATTTTTTTTCTTTTCCAAAAAGAGGCCTTAAATTTNCTTTTTTNC
CTTNGGGGTGAAAGGNTTTTTCCCCCAAAAAAA

Sequence 3718

GATGGGTTCCCTTTTGGGTNTGNCTTGGGGNTNCCTTTTCTTANTTTNGGGGANTTANC
TGGNNGGGGGGAAATTTCTAAGANGCCTTAAAAATAACCAATTGGNCCCGGACCGGGGGC
CGGCCTTGGNACCCCCCCCCCTTTTTCTCCNNGGTGGGGGGGGGAATTGGCCNGTTTGGCC
CANTTTTTAATTCCAAGGGATTNCANAAAAAACCTCTNAANCCNCCGGGGNTTCAAA
GGGCCCCCCTTTGTTTTCCNNGGNNCNCNCCCGGGGGGNCNCCGGTNTTNTNCTNANGA
AAAANCTTTANGGGTTGGGGGGNATTTCCCNCCCCCCCCGGGGGGCCTTTGGCCAAAAGGG
AAAATNTTNTCGGAATTAATTTNAAAAAGNCCCTTTAATTTCCNNGGAATNNAACCCC
NGGTTCCGCGAANCNCTTTTNNNCNAAAGGGGGGGGGGGGGGNCNCCCCCGGGNGAAAC
CCCCCAAGGCCTTTTTTTTTGGTTTTT

Sequence 3719

CCGGGCAGGTACGCGGACCCCATGGCGTTATTTATTTATTTTTTGGAGAGGAATCTTGC
TCTGTGCTCAGGCCAGAGTGCAGTGGTGTGATCTTGGCTCACTGCAACCTGTGCCTCCC
GGGTTCAAGCGATTCTCCTGCCTCAGCCTCAGAGTAGCTGGGACTACAGGGGCATGCCA
CCACGCCCGGCTAATTTTTGTATTTTAGTAGAAGCGGGGTTTCACCATATTGGCCAGGC

Table 2

TGGTCTCAAACCTCCTGACCGTATGATCTGCCCACCTCGACCTCCCAAAGTGCTGGGATTG
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CATTATAACTCTATTGATCTGATTACAAAAGCGCTATTTTGTTAAATGTTTATTGTG
ATAAAAATTCAAAAATTATTAATGNTAGCCAACAAAATTCAAGCAAAACATAAAATGNTG
TNAAGTAAAAAGTGAAAAGAATTTTTCTTTAGTTCCCTNTTNCCTNCCCATTNTTC
CAANAAATAACCTTAAANTTTTGGGGGGGGGGGCTTTCCCAGGAANGGTTGGNTCNG
GTTTGGGGNTTATTATTATTTAAATATNCCCCATNNTTTTCNTTTTTTTGAATTACCC
CCCCNCNATTTTGTATTATANGGGTTTTTTTTTNA

Sequence 3720

AGGCGGTGGCGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGA
GTTTGAGACCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTA
GCCGGGCATGGTGGCTCACGCCTGTAGTACCAACTGCTTGGGAGGTTGAGGCAAGAGAAT
CGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCA
TGGGCGACAGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACANANAAAAAGAAA
GCTTATATTGAACCTCTCTAAAAAANGAAAAAANGAAAGCCTGATGCACACAAATCTAA
AATTTNGCAAGTCTATCAATTAAGGATATTTTATTTTGCCATCACAAAATTAATTNTT
TACTTCNCCCCAAAA

Sequence 3721

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TTTTTTTTTTTTTTTTCCCAANCCCCAGGAGGGCTTATTTTTTTTTTAAANATCCTG
TTCTGNGGCTTCTTNGGCTNTTTTTGCCCGTNTNCCAAAAANCCGGGCGTTGGCNCGGNC
CANACGGANACTCCCGNGTACCTGCCCGGGCGGCCGTTTTAAACTAGGGGATC

Sequence 3722

AAAAACCCGGCCCCCCCCANAAANAAGGGGNTTGGTAAANAANGGAAANAACCCCCAAG
GNGCCNTTCCGAANAAGGGGGGAAGGGAAACCACCAACCGTTGGGGAAGGGGGCCCAA
AGGCCCCCTTGGGCNAAGGNNAANTTAACCGNGGNAAGGCCCTTTTTTGGGGGGG
GNCCTTTGNGCCCCCCCCAAATNTCCAACNNCCGGGGTGGGGGCCCTCCAAATNGGTTG
GGGGGAATTNGGGGGCCNCCCAAAAAAACNCCCCACCCAAATNGGGTTTTTAATTTNT
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TTTGGGGGGCCGCCCCAACCCCATTTGGGCCNTTGGNGGGGGAAGGNAAGGAAAAAGT
TTTGGGGGGCCCTTTGGGGNGTCCNCCCCCTTTAATTAANCCCCCTTACACCAAAGGG
CCCCCGGGTTGGGGAAAAATTTGNCCCCAATGNNAACNTTTTTTNAAAAAGGAAATTT
TGGGCCCCCCCCGNGGGAAGGGGGNAAAAAGGGCCCCAAAAAACNTTCTTTTTCCGGT
TTAATTTAAAAAANAANAAAAAAGGGGCCGANGGGGGGCCCAANTCCCTTGGGNCT
TTTNAAAAAACNCCCCCTTTTNGGGGGCCTTCCNCCAACCCCCAATTAANATGGGGGCCA
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TAAANGGAAAGGGGGTTNATTTTTTTTTCTTNGGTTGGGGNCCCCNCTTGGGGGGG
GGNNAAGGCCTTTGGGGNCCCTTTGTTCCCTTTTTCCCCCCCCCTTAACCACCCCCNA
AAAAGGGGGGNANTTGGNCCCCAAAGGGG

Sequence 3723

AGGGGGGCCGGAAATTTTGGGTAAGGCCTTCCCCACCCCGGCCGGGTTGGGGCCGGGG
CCCCCGAAAGGGGATAACCTTNCNGNTAAATTTTTCAAATCCCCCGAAGGTTGGGTTCC
ANTTCAACAAGGTGCCCCCGGAAAGGGTTGGAATGGAATTCCTTTGGGAAAGGGCC
GGTTGGCCAACCCCCGGGAANTCCCNANGGGGAANTTTTNTNGTNTGANGCCAAAGC
NANCTTTAACCCANTTTTNGGTNNCNTNAAAAANGGGCCNANNCCCNNAANGTNAAG
GGGAAATTTGNTTTGAANTTAAANTATNAGGGGCCNTTTGGAANTTCNNANTTTTTN
TCCCNNTNAAAGGGATATTGNGGTGGTTNCCCCANATTTTTTTTANGGGGGAAAAAG
GGGNTTTTTGGGAANCCTTAANGGGGCCNNNTTGGGGNGGNTTTTTCTTNTTAANAG
GGGNGNNNTNTCANAGNGGGGTNGNANCCCCNTTNCNTTGTGGGGGAANAAAAAGG

Table 2

GGGGNCCCCCTTCNAAAAAAGTTGCCNCCANNNTTTTTTAAAAAANGGGNTTTTCN
NNAANAAGNAATTGTGGGTNCCCTNCGTGGGNNTTTTT

Sequence 3724

AGGTACTTTNTTTTTTTTTTTTTTTTTTTTNGAAAAACATGCCTTTTAGGGGTTT
GGCCTAACAAGGAGTGCTACCTTTTCCCTATTAACCANCGACATTTAATGAAGTCATNT
ATGGAGGGGTGGAGGTGAGGAANCTGTTTCTTTTCCATGTGTNTAGGGCTACCCAAACT
CAGCTTGCTTGGCTGCTCCCTATGGCCNGAGCACATTTGAGCTAAGGGAGGTCTTTCACC
CAANTGNTNAACTGTCTGAACCTACAGGCCTCCCCAACCCCAAGAAAAGTCANGGGGCCA
AGGNTTGGCACANTTNTGGGGGAGGAAGNAAGGGGGAGNAGTAGACAGTAAACNGTAAAA
NAAAGGGGGTCTGATGTTTGCCAAACCTTCCATTTTGGNAAGAGNCTGNAACCTTTCCC
AAAGGCCAAANANNCCCTAGGGGGGTTNGCAACAAGGCATTNTTNTTCTAAGAGAAGGG
GGNGAAGNGCCTTGCCNGTTTNGGCNTTTTTTTTTTGGGCCCCCAATTTGNTGGGAA
ATTTNNGGGGGCTTGTCCTCCACCANGCNANCCNNGTTAAGNGGNGCCCCCTNATNNC
CAAGAACAAANGTNTTTNTAAGGGGGANNCCNTTGGGNCNGGGCCATTTTCCAANAA
TTTTTCNTTGGGGAAANGGANNGGCTTTTTTTAAAAA

Sequence 3725

GCATTTTCTTTTGCAGGTTGCATGCCAGCCAATATTCCTNTGTGCTGGGAAGGGAAAGT
TTGAGGATGTATCAAGACCATAGCAGTGGATCTCACTGCTCTTGCCTACTCAGGGCTTTA
TCTACACATTGATAGCCCCCTCAGAGGAAAGGCACCAGCCGAAGAGTCGACACTGGCTCTG
GGCTTGGATGCTGCCTCTGATAAAACGCTGGGCACTNTGACCCTGAAGCCAGGGGAGGGG
AGTGCTTGGGCAAGCNTGCCCCCGCCGTACCTCGGCCGCTCTAAGAACTAGTGGGATCC
CCCGGGGCTTGACAGGGAATTTCCGATAATCAAGNCTTATTCGATACCCGTNCGACCTTNG
AGGGGGGGGGCCCCCGGTACCCAAGCTTTTGTTCCTTTTAGTGAGGGGTTA

Sequence 3726

GCGGACAGACCCATTCTAACGTCTGCCCTATCAACTTTTCGATGGNTAGTTCGCNCGTGNC
CTACNCATGGGTGAACCACTGGGTTGACNNGGGGGGAATTCAGAGGTTTCCGATTTCCGG
NAGTAGTGGAAGCTCTTGAGGAAAACCGGGNTTACCCAACNATNTCCANAGGGNAAAGG
NCAAGTCNAGTGCCGGCCGCCAAAAATTTACCCCCAACCTTCCCCGACCCCCCGGGGGG
TANGGGTTNTGTTTGNACCCGNATATATATCACANAATATATANATATATATTANATATA
AGANAATATAGAGATAGGNGTTTANCCCCTTTCGGGNCCNCGGGCTTTCTTTTAANGAAA
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TTNNTGNTAACCCCTTTTCGTAAGGGGGGGGGGGGGGGGGCCCCCCCCGGGGTTANNCCC
CCCCAANGNCNTTTTTTTTTGGGTGTTCCCCCCTTTTTTAAAGAGTGGAAGGGGGGG
TTTAAAAATTTTNGCCNGNCCGGCCTTTTGGGGCCGGGT

Sequence 3727

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACGCGGGGTAATTAAGTGA
TTGAATTCAGGCAATGAGACATCATGAACCTCAGTGGTTATTGATATTTAGGGTATAT
ACCTGAAATGCCTAGAGGATACAGATTTCTCATTTCTTTGGTCTTTCATTTCTCTA
TATACAGAAATGAAATGACACTTCTGGGAGGCAGTAGAAGCAGGAAGTCAATGAATTGAG
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AAAGTCTGTGGCAAGTGGCTGCCTGCTTCCTAGAAGGAGCCCATGAAGGTAAACTCTGT
GGTCGGTATTTGCAAGCGCCGGCGTGCTGGTGCTCACGCCTGTAATCCTAGCACCTTGGGA
GGCCAAGGCAGGCGGATCACCCGAGGTGAGGAGTTTGAAGATTGCAAGCAAAAGGTCCT
CTCCTGAGTCTTTCCCA

Sequence 3728

TTCCACCCTCAGCGGATGATAATCTCAAGACACCTTCCGAGCGTCAGCTCACTCCCCCTC
CACCTCAGCTCCACCCTCAGCAGATGATAATCAAGACACCTGCCGAGCGTCTGCGGG
GGCCGCTTCCACCCTCAGCGGATGATAATCTCAAGACACCGACTACGGCGGACTAATCTT

Table 2

CAACTCCTACATACTTCCCCCATTATTCTAGAACCCAGGCGACCTGCGACTCCTTGACGT
TGACAATCGAGTAGTACCT

Sequence 3729

AGGTACTCAGACTCACCCCCAACTGCCATCTTCTCCAACCAGCCTGTGAACATGAGAGTA
GAGGAGGACAATGACAGCCCCCTCAGTAGTGTCCCCAACTACCAATGGACAGGGAAATCA
TGGTTTTGTTTGGATTGGTTTCACCTTCATGTTGTCCACAATGGCTCGGATGGGGTTGA
AAGTTTCTTGCCCATGTCTGAGGGCCTCACAGACCACCTGGCCTTTCTGCCTTTTCATTT
TTCCCGGCACAGAGCTTCTCCACCAACGTTGACATGCACGTCCAGAATTGAGGGGAGGT
TGCTTTTGCTGCTCATCTGAATCATGTATGGGTCCATCACTAGCGAAGCCTTCCAAGTAA
AGGAGAAAGCAGCCTCCAAGAAGCCAACCCCGAAAGCTCCCTTAGCTCTTCTTTGACAGG
TTACAGGGGGCCCCCGGTACCTGCCCG

Sequence 3730

AGGTACCAGGCTAAGTAGTTTGTATTGTGGGAGTTGTAAAAACACTCTGGCTGGACTTG
CAGTTGATGGTGGCCCTCTCGCCAGAGACACAGCCAGGGAGTCTGGAGACTGGGTCTGC
ACGATGTCCCCGTGCGCACAGAGATCCAGAGCAACAGAGAAATGAAGACCTGGGTCTGC
AACACCATCTTGCTGCCCCCTGCCCTGCCCTGTTGTANCTCCCCCGCGTACCTGCCCGGCCG
CTCTAGAACTAGTGGGATCCCCCGGGCTGCAGGGAATTCCGATATCAAGCCTTATCCGAT
ACCGTTCCGACCTCGAGGGGGGGGGCCCCGGTACC

Sequence 3731

AGGTACGCGGGGGCCAGGTGTGTTGGCACATATCTGTAATCCCAGTTACTCGGAGGCTGA
GGCAGGAGAATGGTGTGAACCCAGGAGGCGGAGCTTGAGTGAGCTGAGATTGTGCCACT
GCACTCCAGCCTGGGAGACAGAGCAAGACTCCGCCTCAAAAAAAAAAATGTTCCAGGGAA
TCACAAGAAAATAGAGATAGAAAATTAATGAAATTTAGAAAGCAATCCATGCATGTAGT
GAGAAATTTGACAAAGAAATAGAAACAAGAAAACAAATAGAAATCCTATCTATAACAAT
ACAGTAACTGAACTGGAATAACTCATTGGAAAGCTTTAGCAGCAGACTTAATCAAATAAA
AGAATTGGTGAGCTTCAGGACAGAACATATGAAATTACCCATTGAGAGGAGCAAGAATAA
AAAAGGGTAAAGAAAGACCTACAAGAATTGTGGAATACCATCAAGCAGACTAACCTCTGCA
TAATAGGGAATTCTGAAGATGAGGAAGAAAAGGGTGTAGAAAGCATACTTAAGCAAATC
ATGGCTTGAAAAAGTCCCAAATCTAGAGAAAGATGACACTGTCTAGGTACCCTGCCCGG

Sequence 3732

NTGTGTGCCACGGAACCCCCCGTTTCAAGCCCCGACCGCTTGCGCCCTTATCCGGGNAA
CCTATCCGCTTTGAGGTCCCAACCCGGTAANGACACGGACTTAATCGCCCACTTGGCCAG
CCAGCCCACTTGGGTTAACAGGGATTAAAGCAGAAGCGGAGGGTATTGTAAGGGCGGTGG
CCTACAAGAANTTTCTTTGGAAAGGTGGTGGGCCCTAAACCTTACCGGGGCNTANACCT
TAGGAAGGAAACAANGTTTTTTTTGGGGTTATTNNTNGCGGCTTCTTGGNTTGGAAANCC
CCCAGGTTTACCCTTTTGGGGAAAAAAGGAAGTTTGGGTAAGCCTTNTTTGGAATCCCN
GGCCAAAAACAAAAACCAACCCGCCTTGGNTAAGCGGGNGGGGTTTTTTTTT

Sequence 3733

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
TTTTTTGGTAGCGTCGCTTCTGTCTACTTTATTTATTGGTCAGGGCAATCACAAAGAT
GTGCATAGGCTCAAAGAAAAGAGACATAACCCCGACACNCGATGGAAGAAGTGACGCGG
TCATGTTATGAGAGGAGTGTGTGGGATGGGAGATAG

Sequence 3734

CTAACTCACATTAATTTGCGNTTGCNGCTCACTTGCCCCGCTTTTCCCAGTTCGNGGNAAA
CCCTGTCGTGCCAGCCTGCATTTAAATGAATTCGGCCAACCGCNGCGGGGGGAGGAGGGC
CGGGTTTTTGCCGTATTTGGGGGCGGCTTNTTCCGNCTTTTCTCGGCTTCACTTGAC
CTTCGCCTTGCGGCCTCCGGGTCCGNTTCCGGGCTTGCCNNGGGCCGGAAGCCGNTTTAT
TNAAGNCTTCNANCTTCAAAAAGGGGCGGGGTANAATAACCNNGGGTTTAATCCCCAAC
CAAGNAAAATCCANGGGGGGGNAATTAACCNCCAAAGGAAAAA

Table 2

Sequence 3735

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CCTGTACCGCNTTTTCTTCCCTTTGCGGNAAGCCGTGGCCGCCTTTCTCATTAGCCTTCA
CGCTGTAGGTATTCTCAAGTTCGGTTGTTAGGGTTTCGTTTCGCTTCCCAAGCTTGGGCCT
TGTGTGCACCGAAACCCCCCGTTCCANNCCCCGACCGCTTGGCGCCTTATCCCC

Sequence 3736

TGGNGCTCCACCGTGGTGGCGGCCGAGGTACTTTTCTTTTCTTTTCTGGATTCCCCAC
CGAATATTCACTTTTCTGGATGTATTGATTCAACTAGGCATCATACGTGACTGTAGAATT
GCAGATATTGTGGACACGGCCATGCCTATCACCATTGTATAGCTTATTTTAACAATTGC
CTGAATCCTCTTTTTATGGCTTTCTGGGGAAAAAATTTAAAGATAATTTCTCCAGCTT
CTAAATATATCCCCCAAAGCCAAATCCCACTCAAACCTTTCAACAAAAATGAGNCAC
GCTTTCCTACCGCCCCCTCAGATAATGTAAGCTCATCCACCAAGGAANCCTGCACCATGTT
TTNGAGGGTTGAGTGACATTGTTTCGAAACCTGTCCATAAAGTAATTTTGTGGAAAGC
TCTTAAGNAACTAGGTGGGATCCCCCGGGCCTGCAGGGAATTTGATATTCAAGGCTT
AATCGATTACCGGTGCGACCCCTCTGAGGGGGGGGGG

Sequence 3737

AGGTACTTTTTTTTTTTTTTTTTTGGAGACGGAGTTTCACTCTTATTGCCAGGCTGG
AGTGCAATGGCGCGATCTCGGCTCACTGCAACCTCTGCCTCCTAGGTTTCATGCGATTCTC
CTGCCTCAGCCTCCCCAGTAGCTGAGATTACAGGTGCCTGCCACCAACCCCGGCCAATTT
TCTGTATTTTAGTANAGACGGGGTTTCATCATGTTGACCAGCCTGGTCTCAAACCTCTG
GCCTCAAGTGATCTGCCCTCCTCAGCCTCCCAAAGTGCTGGGATTACAATAATTTTCACT
TTCATGGTGCTTATAATACACTGGATGATGTGACCAAGGAAGAATTGGACCCAGGTCATA
AATGATCTAAATATGGCCTTGAGATGTTTNAATGTTCTTCTATGAACATTTATAAGGAGG
AATTAAGTACCTGCCCG

Sequence 3738

CCGGGCAGGTACGCGGGGAGTCAGGCCTCAGAAAGATGGCGTCCTCGGAGCAGGCAGAGC
AGCCGAGCCAGCCAAGCTCTACTCCAGGAAGTGAAAATGTGCTGCCTCGAGAGCCGCTGG
GACTTGCTGTGCTGCTCAGGCTGGAGTGCAAGTGCAAAACACGGCTTACTGCAGCCTTCA
CCTTC

Sequence 3739

AGGTACAAACCAGCCCAGGTTGTAAGGACTAAAATAAATACCTGCTCTTTAATGCCCAGG
CACTGACAAACATCCACAAACATCAAGACCATCCAGGAAAATATGACCTCTCTAAATGAA
ATAAATAAGGAATCAGGAAACAATCCTGGAGAAACAGAAATATGTGTGCTTTTAGACAAG
AATCAAAATAGCTGTGTTGAGCAAACCTCAAGATAACACAGAGAAGAAATTCAGAATTCT
GTTAGATAAATTTAACAAGGAGATTGAAATAATGAAGAATCAAGCAGAAATTCGGCATT
TAAAAATGCAATTGACATATGTAAGAATGGATGAGAGTCTCTTAATTCAGAATTTATCAA
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GAAATAGAAAAGAATGAAGCACACCTACGAGATCTAGGAAATCGCCTCAAAAGGACAAAT
CTAAGAGCAATTGGTTTAAAGTGGAATAGAGAAAAAGATAGGGGGAGAAATCTCATTCA
AAGGGATAATCCACAGANGACTTNCCAAACCTGAAAGAAATATTATTGGATATTCAAGTA
GAAAANGGTTTTAGAACACCCAACAGATTTNACCCCCAAAAGACTACATCAAAGCATTTA
ATTTTCAACCTTTTNAAGATCAATGGAATAATGCTTTTTTAAAGNNGGCAGGGGAAAA
GGAAACCCATTT

Sequence 3740

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCGGTGGTTGGGT
GGTAAGATGGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAAACT

Sequence 3741

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGATGAAGATTATGAATT
GTTAGGACAGCCAGGGCAAGATAGACCCTGTCTCTACAAAATTTTTTCTAAATTAACCG

Table 2

GGCATGGTGGTGCCTGCCTGTAGTCCCACCTGTGTGGGAGAATCACTTGAGCCTGGGAGG
TCAAGGCTGCAGTGAGCCATGATTGCACCCCTGCACTCCAGCCTGGGTGACAGAGTGAGA
CCCTGGCTCAATAAGAGGGGGGAAAAAAAAATTGTTAGGAGCTGGGTGCGGATGCAGCCTG
CAATCCCAGCTACTTGAGAGGCTGAGGCCGGAGGATTGCTTAAACCCAAGAATTTGAGCG
TAGCCTGGGCAACACAGCAAGACCCCATCTAAGAAAAAAATGTTTTTAAATCAGCTTAG
CCCAAAGGGGTTGTGAATGGGGAGGTATAAAAAGCAAAAGATTATTTTTTGGCTTCTAA
GCCAAAGAACTTACAGGGGATTTTTTTTTTTCAGTCCCAGAACCTGCAGATACCCCTGCTAC
TTGCTTCACGTGGATGCTCAAGTGCCCCAGCANCCATCTTAATACCATTAAACCAGGTTA
AAAAATCCTTNCATGTGGAGGAAAACATGTTTTTTTTNTCGCCTTAACTTTTTCCACAT
GAAATGTGTGCCCCATGGCTTGGGGCNCATNGGCTNATGCCCTNTAATCCCAACCACTT
TTGGGGAGGCTTNAANCAAGCCAAATTTGCTTNGAGGNCCAGGAATTCGAGNAACAAG
TTTGCCCAACATTTGGNGNAAACCTTNTTTTTTACCAAAAAA

Sequence 3742

AAGCCCTGGGGGCGGAGAGTTCTGCCTGGTNCCACCTGATCACTCTGTCATGACCTCAGT
TNATGTGAACCTTTGCCCCACCTTNGTCTCAAACCCAGCCCTGAGCCCTANATGCTGGG
NTGTGNGCANGGACCNCCTTNCNGGCTTCNNANANNANGGGAGCCCTCNANTATGCAGAAC
ATGTTAACTATCACAGATACACANGAGGTCGTGACTGAAATGACTTCCCAAGGGAAGTGT
CCTTGTCACTCTTTTTTAAAAACATTAAATGTCAGGA

Sequence 3743

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGGTTAAAGATCTAGCCTGAAAATCCCAT
TACAAAACTGCCTAGAACACAGTTTACCTTTCTTGAAAGATGAAGAACCAAGTTAATC
CAGAATACACTCAAATCCCCTGGCTCTTGAAAGTCTCAGTTTTCAACCTGCTTGAGATT
GTTTAGACAAATCTCTAAGTCTTAACTAAAATTCATTTTCAGGTATTATATTAAGCCAAG
ATAAATAGAAAGTGTTGGAGGTCGTAAAAAAGACAAAATAAACCCACTACC
TTCAAGGGTTAACAATACTAACTATACTTATGGCCCTTCATCACTGCATTTGCTAAC
CCAGCTTTCCATTAAACAAAAATGCCTNATGAAATGGACACCTTGGAGAAAATAAGTGCC
CCCCAATAAGTGCACAAAGCAGCTTGACTCTTNCCTGATTTCCAGGATGACTGATGAAAT
GGGCCATCAGTTGNTGNCATTTTCATACTTNCCTTGACAACATGCTGAAAGCTGGGCGCG
ATGGCTCACGCCTGTACCCCAA

Sequence 3744

GGTGCAGTGGCTCATGCCTGTAATCCCAGGACTTTGGGAGGCCAAGGCGGGCGGATCAGG
AGGTCAGATCGAGACCATCCTGCCAACACGGTGAAACCGTCTCTACAAAAA
AAAAAAAAAAGTACCT

Sequence 3745

TAGGTCNTTCCGCTCCAAGCCTGGGGCTTGTGTGCACCGAAACCCCCCGTTTCAAGC
CCGGACCGCNTGCCGCCTTATCCCGGTTAACTATCCGNTCTTTGAGGTCAAACCCCGGT
TAAGGACACCGACTTATCGNCCACTGGCAGNAAGCCACTGGGTAAACAGGGATTAGCAA
NGAANCNAGGGTTATGTTAGGCCGGGTTGCTAACANGAGTTTTCTTTGGAAANGTGGG
TNGGGCCCTTAACCTANCCGGGCTTACCACCTTANGAAAAGNAAACCAAGNTAANTTTTT
GGGGTNATTCTTNCNGCNTCTTGGCTNTGAAAAGNCCCAAGATTTACCCCTTTCAGGGA

Sequence 3746

TTNAAATNACCGGAACCTTCAACCTTATTTAAGGGGGGCCCGAAAAATTTGGGGGAAAGG
CCCTTCCCCAAACCCCGGCGGGGTGGGGGGCCGGGGCCCCGGGGGGGCAAGG
GGTTTACCGNCCGGGGGNCCGGGGGGGGGGGTGGGGAACCCCAACCGNCCCGGGCCCC
CCTTCCCCAATTCCCCGGTTGGCCTTGGCAAATTGAAAAAACCATTTCCTTCCCC
AACCGGTTTGGCCCCCTTTTGGTTCCGGCCGGCGGTTCTTCCCCCAATTCCCC
TGGAATTCCCCCAAGGACCCCATTTCCCTTTTAANGCCCTTAATTTTTAATTCC
CCCTTTTTTCCCTTNGGGGTTTTTCCCGGAAAAAGGGGCCAAAATTTAAATTAAT

Table 2

TCCTTAATTTTAATTGGTTAAATTAAAAANGGTTAAAAAATTAATTAANTTTAATTTAA
TTAAATTGGGGGAAATTGGTTTGGTTTGGGTTNGGTTNGGTTGGCCCGGTTGGCCCGNC
CCNGTTTGNAAAAATTNGGNTTNGTTTTGGAANACCCCGNCCTTTTTTTTTGGCCAA
GNNCCCTTTTNCNGGGGGCCCCTTTAAANAGGTTTCCAAAACCGGNTTTTTGNGGGCCC
CCCCCTTTTTAAAAAAGANCCNGNAAANNCCCCCGGGTTTTTTGANAAAAAAN
TTTTNGGGGAAAAAAAACCTTNGGGGTTTTTTTTTTTAAANAAAAAATAAACC
TTTCTTTTGGGGGGCCCTTTTCCAAANANCNCCCTTTGGTTTCTTTNGGGGGGGNC
CCTTTGNAAACCCCCCTTTTTTTTTTCTTTGGGNAATACCGGGTTNCNTTNCNGG
GGGGGCCCCCCCCCTTTTNTTGGNAATTNTTGGGGTTTTCCCCCGGGAAATNGGG
GGTTNCTTTNNTTTTTTTC

Sequence 3747

AGGTACATATGGTATACAGGCTCTATAAATCAGGGTCTCCTCCCCCACCCTTTTTTTTAA
CTTTTGAGAACACCACAAACACTGCAAAGATATTTGACAATTTTCTCAGGTTTTTTTTT
TTGAGACGGAGTCTTTTTCTGTCACCCAGGCTGGAGTGCAGTGGCGTGGTCTTGGCTCGC
TGACGCCTCTGTCTCCCGGGTTCGAGCCATTCTCCTGCCTCAGCCTCACAAGTGACTGGG
ATTGTAGGCGCCTGCCACCATGTCTGGCTAATTTTTGTATTTTTAGTGGAGACGGGGTTT
CACCATGTTGGCCGGGTGGTCTCGAACTCCTGACCTCAGGTGATCCACCTCCTTCGGCC
TCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACACCTGGCCTATTTTGNTGNTCTTG
AAGTAAATAAGGAAAAAAAAATTTTCAAACCAGGTTAAATTTTGGTTTAAATTGCTGGCT
CTTTGGGATTTAATGACAAGCTTGGTAATTNCAATGGAAGCCCAAAACCNCTTGTCCTT
GANCAAGTGGNGCTNGGCACANCTTGACCAAGCCTCCNCGGGGCNTTAANGAGGCCATT
TTTTTTT

Sequence 3748

[illegible]

Sequence 3749

CCGCGGTGGCGGCCGAGGTACCAAAAGACTCTCAAAAACCAATACTCCCACGGGCAAGG
GAATAGCCAAGTTTGTGTGCGTTTCCAATGAATGACGTACGCCCTGTGTAGGTCTCAATC
AAAATGGGTTCAGTTAACACCATCAGTTTCTTTCTCTTCCAGATCCAGTTGAATTCCTG
TGGGCATTCTGGATAGCTGGAACAAGCTTAGACATGAACCCAGACAACCTTGCAAATTTCA
AGGAATTTCTCACTGGTGTATTTCATAGGATGCTCAGTGAAAGTAGCATAAGGAAC TTCA
GTGGACCATGGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCAAGTAGATC
CTAAGGCCCTTCTCCTTGCTCTTGTCAGGGACATCCAGGGAAGGTGAACTTGCCC

Sequence 3750

CCGGGCAGGTACCTGGCCCATGTGTAACTTTATGGGTGACCCAAAATTGTGTGAAATAGC

Table 2

TTATTAACACTCATATTTAACTGCTAATTCCTAAATGAAAAATTCTAGGTCGGGTATGGT
GGCTCACACCTGTAGTCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCATTTGAGGTCA
GGAGTTTGAGACCAGTCTGGCCAACTGGTGAAACCTCATCACTACTAAAAATACAAAAT
CAGCTGGGCATGGTTGCGGGTGCTATAATCCCAGCTACTTGGNAAGGCTTGAGGGTAGG
AAGAAATCACTTGGAATTTGGGGAGGTGGAGGCTGCAGTGAGCCCCAAGATAGCCGCCAC
TTGCACTCCAGCCTGGGGAGACAGAAGCGAGGACTGTCTTCANNAAAANAAAAANAAAT
AAAAAANAAAGGTCCCTCGGGC

Sequence 3751

CCGGGCAGGTACGCGGGGATTCCNNCAGACCTTCTGNAGATTCTGTGGTTATACTCACTCC
TCATCCCANAGAATGAAATTTACCACTCTCCTCTTCTTGGCAGCTGTAGCAGGGGGCCCTG
GTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATCCTGCCAGGAAGCTGGG
ACCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGNAACCAGCTTCACCCCCAGAGAC
AACCACAACAGCCCAGGAGACTTCGGCGGCAGCAGTTCAGGGGGACAGCCCCAAGGTCACC
TCAAGGCAGGGCAGGGAACCTAAACCCCCCTGAAATCCATAAGTGGGAGAAAAGTATCTT
ACTAACAGNAACAAGCCCTTGCAAAAGCCAGGGAAAAGGGAAATGCACCGGGAGGCCGTG
CCAGGTGGAAAAACAATTCATCGAAAATGGAAAGTGAATTTGCACAAAAATTACTTGAA
GAAATTCAGTCTATTAATAACCATGGGCCATGAGAAGCTTGAAAAAGAATGGGGATCATT
GGACTTAAAGCCCTTAAATACCCCTTTGTAGCCCCANNAGCTNTTTNAAAACCGAAAAGC
CTTCCTTTANAAGTAANANAAANTGAANCNNAAAAAANNGGGGTCCCTTTNGGGCGNC
TTCTTAAAAAAGTNAAGTGGGATCCCCC

Sequence 3752

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCAATGGGGTCTCACC
CTGTCACCCAGGCTGGAGTGCAGNGGTGCATTATAGCTCACTGCAGCTTTGAACCTCTG
GGCTCAAGTGATCCTCCTACCTCAGCCTCCTGGGTAGCTGGGACTACAGGCACATGCTAC
TGNGCCTAGCCAACATTAACACTTTTAAAAAATGATCAAAACATGGGAACCTAAAGGCTC
AACAATANAACCTACAATAAATTCAGTGTCAATATAATGGAAATTTACATAGGCATTAN
AAGTTTTATTTACAATTAATTTGTTGGCAAATTTCTTAACAAATNTTCATAAAATCAAGTAG
AAAAAACAAATGACAATCATTTAAATAATAATCTCANAATATTTTTGATTAAAGGAGCTA
TACAAATTATANTATGTACATNCATGAAAAGAAAATGAGACNTTTAATAGTAAATAT
TTCCAAATGCAATACCAGTAGTATTGGTTTCTTTNTTACANAAAGNGGATAAATNATTT
TTTANAAAA

Sequence 3753

TGGANGGGGGGAAAAANAGCAAAATAAAGGGATTTCGAGGCAGGNAAATTTTTGGTNGC
CCCCCNCAAAACACCATNTTTCNCNTTCANNACTTTCTNATAGNAAATANGGNAANC
AACCGGCCTTTCTTNCCTTTNNCCAAGNGNCNAGAGNTTACCTNGNAAAAGGCCTTNCANA
ACTTTNCTTNGTNTNATTTATGGGGCCNTTCCAANTTTTNCAGGGGNTGTTAAACCCCT
TTGAAACCTTTTTTAACCGCCNANATTANGGGAAANTTTAATTTAAACCTTGGGGGA
AAAAAAGGAAAAAGTTTTTGGGGGGGGGACCCAACCCATTNGTTAANTTTTTTGGGGGG
TGGGNATTTTAAACCAATTTTTTGTAACCAACCNACCANTTTTTNNGGTGGAAAAANAA
AGGTTTTGGGCNTTANTTTTTTGAAAAACCTTTTTTGNTTATTTTGGGGATTTTTTTTT
TTTGGGGGNNGGGGGGGAGGGNTTANAAAAGGAAAATTTTTAAATTTCTTGTGGNNGGG
GAATTGGGCCAAAAAANTTTAAAAAATTTATTTCCNCCTTTTTAAATTTTTGNAANNTC
CGGGAACCTTTTTTGGCCCCCAAAA

Sequence 3754

CAACCCCCCGCCGGGGGTTGGNNGCCCGGTGGCCCCCGGCCCCCCGGGGGNCCAAGG
GGGTTTAACCAAGGGGGGCCCAAGNGGNGNCCTTTGGGGGGGTTTANAAAAAANCA
NAANGNCGGGTTNGNCCCCAACCNCCAATAGCATTNGAATACCAGAATAGGTTTTTGGTC
CTTTTGGGCCTTTNGCCCAACCNCTTCCCTTAAAAACCCCCAAAAAGGCCCTTAAAAAC
CCCCAACCAAGGCCNTTTCGGCCAAATTTTTTACTTTAAGGGGGTTNCCAANAANAA

Table 2

AATTCCTTGGGAAAAAACCAATTGGGGGGCCCCCAANANTTGGGAAGGGAAAGGGAA
AAGGGAAACCTTTAAAAAATTTTGGGAAAGGNAAGGGGGGGCCCGCCCCCAAATTNTT
TTTTTTTCTTTTTTTTCCCAATTTTGGGCCCCCCCTTGGGGGGAAACCCCTTTT
CCAAAAAATTTTTTCCCTTTCCCCCTTTCCCCCTTCTTTGGGCCCCCTTAAAGGGGG
GGGGTTTTTTTTCCCAATTTGGGGAAATCCCAATTTTAAATTTAAAAAAAATTTT
TTTTAAAGGGGGGGCCCCAAAAACCCAAAAAATTTTTTTTAAATTTGGGGGGGGTTTT
TTTTTTGGGGGGGGAAAAACCCAAANAAAAAATTGGGGGGGTTCCTCCCCAAAAAATTG
GGGGGGCCCCAAAGGGTTCCCCCAAGGGTTTAAACCCCCCCCCGGGGGGCCCAACCCC
AAAAAGGGGGGGGGGGCCCCCTTTGGGTTTTTNCCAAATTTTGGGAAAAAAAAGGGGG
GGGGGAAGGGGGGAACCCCTTTTAAACCNTTGGGGGGGGGAAAGGGGGGGTTGGGCCCA
AAAAGGGAAACCAAGGGTTTGGGGGGCCCAATTTTTTCTTTCCCNTTNCNTTCC
CCCTTNCCTTTTTTGGGCCTT

Sequence 3755

AGGTACTTGACCCACAGCCATCTGGGATGAGCCGGTTTTAGCCACCATGTCTTNAAT
TCATCAGCATTGAACCTGGTGAAGCCCCACTTCTTGAGATGTGGATCTTCTGGCGGCCA
GGAACTTGAACCTGGCCCTGCGCAGGGCCTCAATCACATGCTCCTTGTCTGCAGCTTG
GTGCGGATGGACATGATAACTTGGCCAATGTGAACCCTGGCCACAGTGCCTGGGGCTT
CCAAAGACACCTCGCATGCCCGTTTGGGAAGCCTCCCCGCGTTACCTGCCCG

Sequence 3756

CCTTCNCCAACNCCGGCCGGGGTGGGGNCCGGGNCNCCGTAAGNGGTTAACCGGCCG
NGGGGNGNGGCCGGGGTGGNGGTTNTNGNGNGNTTGGGGTAAAAAGGNAATNGNGN
CNGNGNTTNGGTNGNNAAGANANATANANNAAGNACNTTCTNTNTCCNNAACCTTTT
GNGNTNGGTGGGGGGGGGGGAAAAACCTTGCTGGGCCGCGNCCCTTCNTTAAAGGA
AAAACNTTAAGATTAGGTGGAATTCCCCNCCNCGTGGGGACCTTGCCCAAGNGNAAA
AATTNTCTGGAATTNATTNCNANAACGGCCCTTTTAAATTCGGNAATTAACNCCGTTN
CCGNAACCNCTTCCNNGAAAGAGGGGNGNGGGGGGGGGCCCCCCCCGNGGTTACCCCC
NCCAAAGACNTTTTTTTTTTGGTATTCNCCCTTTTTTAAAGNTTGGGAAGGGGGGT
ATTTAAAAAATTTTGGCCCGGCCCGGCCCTTTTGGGGCCCCGGTTAAAAATTTCAAAT
TGGGGGTNCCAAATTTAAAGGCCCTTTGGTTTTTTTCCCCCTTGGGTGGGGTTGGGA
AAAAATTTTGGGGTTTTTAATTTCCCCCGGGCNTTCCAAACCAAAAAATTTTCCC
AACCNAAACCAANAACCCANTTAACCNATAAGGCCCCCCGNGGGGGGNAAGGNCCCAAT
TTAAAAAAGGTTTGGTTTAAAAAANGGCCCTTTGGGGGGGGGGGGTTGGNCCCCC
TTNAAAATTGGNAAGGNTGGGAAAGNCTTTANAANCTTTCNAACCAATTTTTTAAAN
TTTTGGCCCGGTTTTTNGGCCCGGCCCTTTCTAAACCTTNGGCNCCCCGGGCCCTTTTTTC
CCAAAAGGTTCCGGGGGGGAAAAAAA

Sequence 3757

CCGGGCAGGTACGCNTNGGTGACCGGGGAGNAGCGCTCGGNNGAGGANCTNTTNNCNTT
GCAGGTTGAGGCGATTGAGCTCCAGCTAGGATGATCGAGGTTGTTGCAACGACCGTC
TGGGGAAGAAGGTCCGCTTAAATGCAACACGGATGATACCATCGGGGACCTTAAAGAAGC
TGATTGCAGCCCAAACTGGTACCTCGGCCGCTCTAGAACTAGTTGGGATCCCCCGGGCTT
GCAGGGAATTCGANATCAAAGCCTTATCCGATACCGTCGGACCCCTCGAAGGGGGGGGG
CCCGGNTACCCAAGCTTTTGGTTCCCTTTAGTGGAGGGTTTAAATTGCGGCGCCTTGG
GCGTAATCATNGGTCATAGCTGGGTTCCTGTGGTGAAAAATTTGTTATTCGCTTCACAAA
TTTCCACACCAACATTACGAAGCCCGGGGAAGCCATAAAAAGTGGTAAAGNCCCTGGGG
GGTGCCCTAATGGAGTGGAAGCCTTAACTTCACAATTTNAANTTTGGCGTTTGCCGCCT
TCACTTGCCCCGGCNTTTTTNCCAGTTCCGGGGTAAAAACCCCTTNNNCCGTNGGCCCA
GCCTTGGCATTAAATTTGGAATTCGGGGCCCAAAACCGCCNCCCGGGGGGAAGAAAGGG

Sequence 3758

Table 2

CNCCGGGCNNGGGGTTNNGGGGCCNNGGGGCCNCCGGCCCCCGGGGGTCCAAGGGGGT
TTTAACCCNCCCGNNGNNGGTTGGTGGGGGGGGCCCCAAAAACCCCGGGCNGGGAGAA
GGNAACCCANGGNAATAATTTTTTCCAACCAAAAAAACCTTTTTTCCAAGGNCCTTC
CCCCAAGGCCCAAGGNTNNTNTNCCAAAAAGGGGAAAAAAATTTGGTTNCCAAAAAA
TTGGGAACCCAAAAAGGGAATTGGGGGAAAAGGGAAACCCCGGGAAGGTTGGTTCCA
AAAAGGGAAGGCCCTTAAAAAGGGAACCCAAAAACCAAAAAAAAGAAAGGGGGGCC
CCCCCCCCAAAAAAATTTTTTGGTTTTTTTTTCCAAGGGGAAAAAA
CCCCAAAANTTGGGAAAAAAAGGGTTCCTTTTCCAAGGGGCAAAATTTTCCAA
GGGAAAAACCGGTTTGGGAAAAAGGGTTCCCCCAAGGGGGGAATTCCAATTTGG
GGGAATTTGGTTTGGGCTTTTTAATTTCCCTTTTTTCCAACCCAAAGGGTTTTCC
CAAACCTTTGGGCTTTGGGGGGGGGTTCCCTTTGGGAAAAAGGGTTTTTCCCTT
TCCCCCTTCTTTTGGGGGGCCCCCCCCCAAGGTTTGGCCCCCAAGGGCCCTTTG
GGCCCCGNAAAAAGNCCCCCCCCCTTTTCTTTGGGCCCCCAAAAAAGGGGGG
GGCCCCCAAGGGAAGGGGGGAAAGGGGGGCCCCCCGGGGTTTGGGAAATTNAA
TTTTAAAGGGAAGGGCCCTTCTTTGGGAAATTTTTAAACCCCCCCCCAACCCCCC
CCGGTTTCCAAGGGGGGGNCCCAACCCCCCGGGCCNTTTGGGAAAAAGGGGGGT
TCCAACCTTTGGGAAAAANTTAANCC

Sequence 3759

CCGGGCAGGTACGCGGGGAGGCATTGAGGCAGCCNCGCAGGGGCTTCTGCTGAGGGGGC
AGGCGGAGCTTGAGGAAACCGCAGATNAGTTTTTTCTCTTTGAAAGATAGAGATTAATA
CAACTACTTAAAAATATAGTCAATAGGTACTAAGATATTGCTTAGCGTCCAAGTTTT
AACGTAATTTAATAGCTTAAGATTTAACGAGAAATATGAAGACTTAGAAGAGTNGCC
TGGAGGGAAGGGAAAAAGGATTAAGGTTTTCTTAAACATGACGGGAGGTTGAGATG
GAAAGCNTNTTCATGGGAGGTAAAAATGTATTTANAAAGGAAAAATTGAGAGAAAAAG
GGACTTACAGNAGCCCCNGAATTTAATACCAATAGGAAGGGCCAAATGCTTTAGATTTAA
AATGAAANGTGGACTTTAAACAGCCTTAAAGTTTAGTTTTAAAAAGTTTGTAGGGTGATT
AAAAATAATTTGAAGGCCGAATCCTTTTTAAAAAGAAGATTTAAACCCGGAAGGGNG
GATTAATAAGNACCCTTTGAAATCCCATTGGACNCCAANGGGGAAGAAATTTGCCGGTT
CATTTTTAAAAAGGCCCTANGTTTAAACGGCCATTTTTTACCTTAAACCNCCNGGANCC
CAAAAAAATTGGGGAAAAANGG

Sequence 3760

TCCGAAGAAAAGCGCNGGNCTAAAGCCGCGAAGTCTGGTGACTTTGGCACCCACCCGTGC
AGCTGATGGTACCCAAAGCCGCCAGCGACCTGGAAGATGTTCTTGGGAAAAAATGACC
CGTTGGGAGCCTGGGGCTTGGGAAGCCCGNAGGGTCCCGCGTTGCCGGCCCAATCAAGCA
GGTGGGCCACCCGNGGGACTGGGGCCGTNCCCTACCCGTGGGACGTTNCAAGATACCCCA
ACCCACCAAGTTAGGCACCTTAGGTAAATTTGCCACTTGGCCACCAAGAANGGGCAAT
TGGAANACCACCAAAACGNTNCCCCCGGTTTTGCCCTNTCGGGCCGGGTNGGGCAAGA
ATTGGCCCGCCGGGGTTGGCNANGGCCCGGGCCGTCTTNAACTTATNNTTTTTANGAAG
ANAAAAAAAAC

Sequence 3761

ATTGGTNGCCTCCACTCGCGGTGGCGGCCGAGGTACGCGGGATTGTCCCTGNNTGNCNGC
GGGGGTGCNGAGAANAANANTNTTTTTTTNTTNCTCGCAGCTGGAGATCTGAGAACG
GACAGACTGCCTCCTCAAGTGGGTCCAGACCCTCGAGTAGCCTAACTGGGAGGCACCCC
CAAGTAGGGGCNAGACTGACACCTCACACGCCCGGGTACTGATATTNCAATNTTTTTAG
TCTTATTGNTTTAGTGTTCAANGAATAANTCTTTTNAATTTCTTTCTTGGAAACAATTAAT
TTTTGNTTATAGGGGAAAAACTTGGAAACNAAACTTACNTTCNTTTNAAACAACCTNC
CTTGNTTCTTTTTTATTAATAAACATTGGTGTTNCNTNGAATTTTGTGTATATGGAATG
TNTTTTTNTTATGGTGTNCCTAGGGTTAATTGTTGTCANGAAAAAATTGCAAAAC
AACCGGGNGTAANACCCAAATNTTTTTCTTTCTTTTTTCCCCAAAAACNAACCT

Table 2

TTTTTAANGNTTCTAGGGANGGGAAATTTANGCAAATTAANAANAGGNCCTTTTNGNTG
GTTTTAAGGNAAATTTTNAACCCCTTTTTCNAATTTTGTGNAAAAAAGGAAAAANACNTNG
GGGAAAAAATTTAAAAAGTTTTGNGATTGGTGGNAGGTTTNCCTTGNCCTCCCGG

Sequence 3762

CCTTCCCCACCCCGGNCGGGGGTGGGGGCCGGGGNCNCCGGAAGGGGTNAACCTNTNTNT
NT
GCNAAGGACAACACCTAAACCTTNTTTTATTTTNTATTGGCCAACCCCGGGGGGGNAA
TGGGTNTNTCCAAAGGGTTANTTCAACCAAAAAACCTAATTTTAACCAAAANAGGCCAA
TATTAANTTAANATTCAACCCCCCTTCNCCTTTTCCCCCCCCCTTTTAACATTGGGCGTT
TTCAAAAAACCTTAAATTTTNGGNGGGGGGTNAAAAANAAATAATTATAAAATTANA
ANATTTANAANAAGCCCCNCCTTTGGGGGCCGGGNTGGGGGTGGGGGGCCTTTCCAAC
CGGGCCCCCTTGGGTAAANANTGGGCCACCAANGNCCNACNCTTTTTTGGGGGGGAA
AAAGGNCNTTGGNAAAAAGGCCCGGGGGGGGNTTGGGGGAATTTCCANACCCCCCTT
TGGGGAAGGGGGGTTCCAAAGGGGGGGNAAGTTTTTTCCCGNGAAAGGAGAAGGGCC
AAAGGCCCCCCCCCGGNGGGAACCAAAAAACNCAAATTTGGGGGGGCCGNNAAAAAN
AACCCCCCCCCNCCGGGTTTCCCTTTTCTTTAACCCTTAAAAAATAAAAAAATTT

Sequence 3763

AGGTACGCGGGGAGTCTCGCTCTGTCACCCAGGNNGGAGTGCAGAGGNACNATTTTNGN
TNACTGCAGGCTCTGCCTCCGGTGTCAAGCGATTCTCCTGCCTCAGCCTNTAAGTAGC
TAGGATTACAGCGCGCGCTCACCACGCTTGGCTAATTTTGTATTTTAGTAGAGCCGAG
GTTTCACCAAGTTGGTCAAGATGGTCTCAAACCTTCTGACCTCGTGATCCGCCCCGCTCGG
CCTCCCAAAGTGCCGGGATTACAAGGCGTTGAGCCACCGCGCCCGGCNCGCTCTTAGNAA
CT

Sequence 3764

CCGGGCAGGTACTTTAGGAGGCCCAGGNGGGCAGATTGCCTGANGTCAGGATTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCCCGAGGATCGCACCACTGCACTCCAAGCATGGGCG
ACAGTAGCAAGACTCCATCTCAAAATAAAGAAAGNAAAGGAAACAAAGAAAAGGAAAAGC
TTTATATTGGAATCTCTCAAAAAAAGGAAAAANTAAGGAAAGCCTGGATGCACACCAAA
TCTTAAATTTGGGCCAAGTCGGATCAATTTAAAGGGATATTTTATTTTGCCATTACAAA
AATAAATCTTTTACTCCCCCAAAATCAATAAAAAAGTTTCAAAATAGCAACTTTT
CCTAATGGTGTTTTAAATGTTAATTCACCAAAATACATTGTGGTTCCCCAACT

Sequence 3765

AAAGGNCCTTCCCCCAACTCCGGCCGGGNGGTTGGGGNCCGNGGCCTCCGGAAGGGGGTN
AACCTNT
TNNNGGGGTTNCCACCTTNAACACANACACANNANAGANTTTTNTNTNTGATAAGATAG
AGNTGATTTANANTNTNNNGGGCCGCCNNGCCCCCTTGACNTTGGCCCCCTTTCTCCTTT
GGGGGAAATTGGGTGGNGGTAAANACCCCGGTTTTTTCNTTNAAGGGGCCTTCACCTT
NNTTCGCGGGGNAANAATTCNGAAAAACCCNTTGNAATTTNCCGCNCCNGTCCANCC
CCCGGNNGGGTTTCCACCNCAATNGGGGTTTANGNGGCCNACCCGGNGGCNNAACNTT
AACCCCAANTTNGAAAAAAGGTTTTTGNATNTANGTGGGNGNCCAAGANAACCCGTT
TTTTCCNGAAAAAATTGGGGGNGGTTGAGATNCCAGACACCGTCCNCCNCNCTGGNCA
GATTTAACCCTTTGGCCCCCGGNGGGGNCGGGGGCCCGGNGNTTTTTTTANANA
AAACCTTAAGGGNGGGGNNATTTCCCCCCCCCGGGGGNCCTTTGGCCAAAGGGGAAA
AATTTTCCGNTAATTANNTCNTCAAAAAGGCCTTTTTTATCCGGAATTNANCCCCGGNT
TNGGAAACCCCTTTCTAANAGNGGGGGGGGNGGNGNCCCCAGNGGTNNACCCCCCAA
GANCNTTTTTTTGGGTTTCCCCC

Sequence 3766

Table 2

CCGGGCAGGTACCTGTGGTCTCAGCTACTCGGGAGGCTGAAGTGGGGAGGATCGCTTGAG
CCCAGGTGGTGCAGGCTGCAGTGAGCTGTGTTATACCACCACACTCCAGCCTGGGCCGC
AGAGTGAGACTTTGTCCAAACAACAACAACAACAACAACAACAACAAAACTGTAG
CTTCCATTTTGGGTGTTCTCTATTGCTCTGTCTTGATCATTCACTCTGGGAGAAGCCAG
CTGCCAAAGGCATTCTTCAGCGAGGCCACATGAATGGTAACAGGCACATGAGTGAGCT
TGGAAGCTGATCCTTTTCCTAGTTGAGCCTTGATGACTGCAGCTGTGGCTGACACAGCAGT
AGCTTTTGAAGATCCTAAAC

Sequence 3767

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCGAGACAGGGTCTCACTCTTTCAT
CCAGGCTGCAGTGCAGTGGCGCTACCGCGGCTCATTGCAACCTCCACCTCCTGGTCTNAA
GCCATCCTCCCACTTATCCTCCCAATTAGCTGGGATTACAAGCTCAAGCCACCAAGCCT
GGCTAATTTTAAATTTTCAGTANATAGGGTTTCGCCACATTGCCAGGGTGGTCTNA
AACTCCTGACCTCAAGGGATCCACCCACCTNAACCTCCCAAAGTGCTGGGATTACAGGCA
TGAGCCACTGCTCTGCCTTTTTCCCTTTTTTAACCTGAAAGTATCTTTGCCAATTCTGT
AATTTCTTCAGGTATCAAAAATCATCTTCCCAATAAGACACAGCAGTATATAACCTACTA
TATATTTNACTTATTTATTTTATTTATTTCAATAAGCCCAATTTGAATGTAAAAAATTT
TTATNTAACATAATCAATAAATAATTTCTTATGTACCTCGGCCGCTCTAAA

Sequence 3768

GCGGGCGGCCGCCGGCGGCTNTGGTGACTCTAGATAACCTCGGGCCGATCGNACGCCCCC
CNTGGCGGGCAGTGAACCATTCGAACGTCTGCCCTATCAACTTTCGATGGTAGTCGCCGT
GCCTACCATGGTGACANACGGGTGACGGGGAATCAGGGTTCGATTCCGGAGAGGGAGCCT
GAGAAACGGCTACCACATCCAAGGGAAGGCAGCCAGGCGCNCAAATTACCCACTCCCGAC
CCCGGGGTAGGTAGTGACCTAATTAANAANAATNAANTAACANAAAAATATAGGTTCCNT
NGGCCCGCTTCTAAACTTAGGTGGGATTCCCCCGGGGCTTGCCAAGGGAAATTCNNAT
TATNCAAGCTTTATTTCGAATACCCGTTCCNGACCCTCTTAGNGGGGGGGGGCCCCGGGTN
NCCCCAANCTTTTTTG

Sequence 3769

AGGTACTGCTATAGGGAGAGAAGAAAGGTGGTTTCAGCTCAGGGCAGTTCTGGGGAAGGA
AAAAGAAGACCTGATCTATGAATGGCAGAGTGCAGGCAGCAGCCCAAGACACACTCCACT
GACTTCAGATGTGAGGTTCTTCCCACTCTGAACCTATCCTGCCTACCTCGCCTCCT
CCTGATTTGTATAGAGAAGTGGTCCCACTGTGAGGCATGTGTCTGGCCACTCTCTACAC
CTCACCAGCCTTCTCTCACTGGACTCTCCATTTCCCTTTCATCCCCTGAGCTTCTTGGA
CCCTTGTCCTGCCTCCCCTTCTCCAGGACTCATCTCCTGTAACCCTTCAACTCCAGTTC
TCCCAGTGACACAGAGCCAATTCTATCAATTCCTACTAGCAGCCTGCTAGTCTCCAGAAG
AAATACTCTTAGCAAAATCTGAGATAAAATCTAATCCCTGCCTAGGCCCTAAAACCATGAA
ATATTATCAAACTCTACATAAGGCTTACAACTA

Sequence 3770

CCGGGCAGGTACGCGGGCCACCGGGCGCGGTGGCGCGTGCCTGTAGTCCCAAGTATCTGA
GACCACTGCCATGAGCCATCATGCTCAGCTAATTTTTTTTATTTTTATAGGATGGGGTC
TCACTATGTTGCCATGTTGCTCAGGCTGATCTCAAACCTCCTAGGCTCAAGCTAATCCTC
CTGCCTTGGCCTCCCAAAGTGCTGGAATTACAGGCATGAGCCACCTTGCCCCATCTGAAT
AAATAGGAAATTAATGTTCACTTCCAGCCCTAGACTGGAAGCTCCTGAGCCCCAGTGCTG
TGTCTGTTTAGGATCTATTGCTTAACAGATTGATGACCCTCACATAGGGAAGTTCAGTAC
CTN

Sequence 3771

GGTTTCTAAAAACATGCCTTTTAGGGGTTTGGCCTAACAAGGAGTGCTACCTTTTCCCT
ATTAACCAGCGACATTTTAAATGAAGTCATCTATGGAGGGGTGGAG

Sequence 3772

CCGGGCAGGTACTTTANGAGGACCCAAGCCGGCCAGANTNGCTTGAGGTCAAGGATTTTG

Table 2

AAAACCAGNCNTGGCTTAACATGGTGNAACCCCTTGNTNTACTAAAAAATCCAAAAAT
TAGCCGGGCATGGTGGCTCACGCCCTTGAGTCCCAACTTGCTTGGGAGGTTGAGGCCAAN
AAAAATCGTTTTGGAACCAAGNANGGTGGAAGGTTTNCANTGAAGCCCAANAATCGG
NGNCCCAATTGNAANTTNNAANAATGGGGCCGACANNAACCCAAGGAACTTTCNATTTTT
AAAAATTAANGGAAAGGGGAAANGGAACCCANGGGAAAAANGGNAANGGCTTTTANTT
NTTTGAAACTTTNTTTTTTAAAAAANGGGAAAAAANGGGAAAAAGGCCCTTTG
ATTGCCCCCANCAAAANTTTTAAAAATTTTGGGCAANGGGTCCTTTNCAATTTTAAAGG
GGGGATTTTTTTNTTTTTGCCTTTCCNCAAAAAAGGGGTTNTTTTTTAACCCCCCCCC
CCCAAAAAATTTNTTTTTAAAAANGGTTTCAAAAAATTGGCCCAACCTTTTCCCNAAA
NGGGGGGNTTAAAAAATTTTNTATTNCCCCCAAAAAATACNCTTTGGTGNTCCCCCAAA
ATTTTTTTTTTCAAGGTTTAAAAATTTTTTTTTGGGGNAAAAAGGGNGGGGGTTTT
TCCCCCNTGAAAGGGGGGGGCCNNATAAANAANAANNTTGGGGNTTTTTAAAAACCTT
TTNNTTNGNAANAANAANCNTTTTTTTTTTTTTTAAAAANATTTTTGNAGGAAAAAA
TTTGTTTTGGGGGGCCCNCAAAAAATTTTTTTTTTAAAAACTTTTTTTTTNTT

Sequence 3773

CCGGGCAAGGTACTTTTTTTTCTTTTTTTCTTTTTTTTTTTTTTTTAGACAGAGT
TTTGCTCTTGTTGCCCATGCTGGAGTGCAATGGCACGATCTTGGCTCACTGCATTCTCCA
CCTCCCGGGTTCAAGCAATTCTCCTGCCTCAGACATTTGAGTAGCTGGGATTACAGGCAC
ATGCCACCACAACCAGCTAAGTTTTTTTATTTTAGTAGAGATAGGGTTTACCATGTTG
GCCAGGCTGGCCTCAAACCTTTGACCTCAGGTTATCCTCCTGCCTCTGCCTCCCAAAGTG
CTGGGATTACAGACATGAGGCACCACACCAGCCTCAATATTTGCTTCTTAGTGNA
TATTTTGAATTCCTTTCCAGGATTTTGTAATTTCTTTTTGATTGGGATATGTTGCTG
AAAATTATTGTGTTGTTTGGAGGTGTCATANTTCCTTGCTTTTCATGTTTCTGTGTT
CTTACATTGGNAATTTGTGCATCTTGTTGACANTTGCTTTTTTTCCAATTTTTTTGA

Sequence 3774

CCTTTCCCAACCCCCGGCCGGGGGTTTGGGGGCCCGGGGGCCCCCGGAAGGGGTTTAAC
CCCCTNTTAAATTGGGAAATTGGTTTGGTTNGGGGGGGGCCCAAGGCCCAAAAACNT
TAAGCCGGTTTAAAGNAAATTTCTTTGGGAAATTNCCAACCAAGGNAAAAACCAAGN
TGGGCCCCCGGAATTTTAAATCCCGGCCAAATTTTGAACCCCCCGGGGGGGGGGAA
AGGCCCTTTGGNAAGGGGGTTTGGGGGAAAGGGGGGGCCCCCGGCNTTGGTTTGGGGGC
CCCCAACCAAGNCCCCCAAGGGTTCCGGGGGNAAGGCCCTTTGGCCAAAAAGGGTTTG
GGTTTTTCTTGGGGGGGGTTTGGGGGNAATCCCGGCCNNGGCCAATTTAATTTGGGCC
AACCTTTCCAAAAAATAATTTGGGCCTTCTTTTTTTGGGTTAAAAAAGGGGGGAA
AAAAAGGCCCCCCCAACCAAAANNCCAATTTGGTTTCNCAAAAAAGGGGNGNAACCCC
CTTTGGAAGGGGGGCCCGNAACCTTTTTGGGGGAAAGGGGGGCTTTTGAAAAGCCC
CAAAAAAGNTTGGGGCCCAAGGTTTTTTTTNGNTTCCCTTTAACCCNGNAACCTTTCC
CTTCCGGGGGNAGGGAAAAAACCCTTTTCCAAAAAAGGAACC
CGGCCCAAGTTNCCNAAAGGTTTGGGCCCTTTGGGGGGGNA

Sequence 3775

GNGGTTGGNGNCCGGGGGCTCCGGAAGGGGGTTTAAACGGCCGGNGGGGNAAAAACCG
GTTGGGTTCCTAAGNTTTGGGGTTNGGGGAAACACCTAGGGACCCCTTTGGCCCCGGTT
CCCTTAAGAAAAAATAAACCNCTTNGNCCCCAAAAAATTAATTGGGAAATTGGAA
ACCAATTTCAAAAAAGGAAAAAGGGGGTTGGGGGTTGGGAAAAAGGGCCAAAGNGGCC
CGGTTTCNNGGGGNAAGGGGGGGGGCCCCCNCCCCCTTTCAAAAAGGGGGGGGCCAAT
TNCCCCTTTGGGGGGGCCCTTAACCAACCNNTTGGGAAAGGCCAACCCCCAAGGGGGG
TGGGGGGGTTCCCTTCCCTTTCTTTGGAACTTTTTCAAAAAANCAANGGCGGGAAAA
CAAACCCCCCAACTTTCCCNNTTCCCAACCCCTTTTTTCCGAAAACCGCCCCCTT
GGGGNGGGGGTTTGGGGGNCCAAATTTTTTGGCCCCCCTTTCAAAAACCNNGNAACCC
CCAACNTTTTTTTGGTTNCCAAAAAGGCCCTTCCAAATTTTTTTTCCCCCTTGGGGGTT

Table 2

AAATTGGGGAAACCAAAAACCCNGGAAAAAATTTTTTTGGGGGGCCTTAACCCAAGGGG
CCCCAAAACCCAAGGGGGGGGTTNGGGGGNTTGGGGGAAACCCCTTCCAAATTTGGGG
GGGGGGCAACCCAATTTGGGGGGCCCCCTTCCCCCAAAAAGGGGGGAAGGGTTNAAAAG
GNAACCCCCCCCCCTTNGGGGGAAACCCCAACCCCAAGGGGGGGGGCAGGGCCNAAA
NGGGAAGGGCCAATTTAANATGTNAAGGGGGNAAAAAGGAAAGGNAAGGGAAGGGAACC
CCCC

Sequence 3776

AGGTACCATTTGTCCAGGGAGCTCTGAAAAGCATCCTATGTCGCACCCCGGGAGAGTTTTA
CCACAACACTCTGAGCTTCTCAAGGTAAGGGCAGCTCCTGCCCTCCACTTTGGGAGTTT
GGGAGTCAGAGAATGCCGCCCGTGAATTAGGAATAATTGGTTCTCCTTTCTGGAGCCAT
GTTCGAATATTAGGAGACGGCATCGGTGTAAGCATCCACACACACGTTTCTCACTTCCGG
CCATTCTCTCTGCCCCCTGGTGAAGCTTCAAGTAATAGAGCTTTTTCTTTTCACTCCT
TATGCCAGAACATCACACCTACGTTCCCACTCTTCAATGAGGGGGCTATTTTAATGACT
TGGCTTTTCTTTTACTTAAATTTTATCCTTGATTCTCCTTGCCCTCTTCTGTAGTCCA
ATGTTGATCTCTGTTATGGGGCGTTGGCTGCCATCCCTGGACTCCGGCCAGTCCGCCCTT
CTGGGGCTATGTACCTTGCCCG

Sequence 3777

CGTTTCCCCCTGGAAGCTCCCTTCGTGCGCTCTCCTGTTCCGNACCCTGCCCGCTTACNC
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AGCCTCACGCCTGGTANGGTTAATCCTNCAGTNTCCGGTTGGTAAGGTTCCGTTTCNGCT
TCACAAAGCCTTGGGGGCCTTGTGGTGGCACCAGGAAACCCCCCCCCCTTTTCAAGCN
CCCGAACCCGGNCTTGCNCGCCCCCTTTTATCCCGGGTTAAANCNTAATTTTGGTTCA
TTTGGGAGGNTACCCCAAAACCCCGGGTTTTAAAGGAACCAANCNGGAANCNTTTATTT
CCGGCCCCCACCTTGGGGCCCAGGCCAAGNCCCCAACTTTGGGNGTTAAAACCAAGGGNA
ATTTTAANGNCCAANGAANGCCNGGAAGGGGTTTANTTGNTTTAAGNGGCCGGGGNGGNC
CCTTAACNAAGGAANNNTTNTCTTTTGGGAAAAGNTGGGGGTGGGGNCCCTTNAACCTTT
ACCNGGGCTTTTNCNCCTTTANCAAAGGNAAACANGGTTAATTTTGGGGGNTAATANT
TGGCNGACCCTTNTTGGTTTGGNAAAGCCCCNAGGTTTTAACCCNTTTTNGGG

Sequence 3778

AGGTACTTTTTTTTTCTTTTTTTTTTAAAGATGGAGTCTTGCTCTATCACCCAGGC
TAGAGTGCAGTGGTGAATCTCGGCTCACTGCAGTCTCCATCTCCTGGGTTCAAGGGATT
CTTCTACCTCAGCCTCCTGAGTAGCTAGGATTACAGGCACATGCCACCGTGCCTGGCTAA
CTTTTTGTATTTTAGTAGAGACGGGGTTCCACCATGCTAGCCAGGCTGGTCTTGAACCTC
CTGACCTCAGGTGATCCGCCTGCCCTGGCCTCCAAAAATGCTGGAATTACAGGCATGTAA
TTCCAACCTTAGACACTCAGTTTAAACCCTCTATCCTATCTTCACTGGAAGAGCAAAGC
AATCTCCTACCTTGTTTTGTCAATAAGAAGGGAATATTATTAAGCCCCAGTAATCCTGTT
GATTACCATAGTGGGCATTGTTTCTCTAGAAGTAAAGTAGAATCTTTGGG

Sequence 3779

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TTGTGCCCTTGGATCCATCCATCCAGTCAGCTGAAACCAGCAGCCCAGGACAAGTGGGCCA
GCCAACAGGACCTAGACCATGCAACCCAGCTGATCCTACGATGGAACCAAGGTGCCAGTG
AGATGACAACAGCCCTGCTCTGGTCACTCCGGAAGCTGACCAGTCCACGCACGGCTGAAG
CTTGAGGAGACAACAGCCCTGCTCTAGTCACCCAGAAGCTGACTAGTCTATGCA

Sequence 3780

CCGGGCAGGTACATATTTGTGTAATGTAACTTGCTTGTGTTGATATGAAAACGTAGTTT
GAAAACGTACGCGGGGATTCCCCAGACCTTCTGCAGATTCTGTGGTTATACTCACTCCT
CATCCCCAAGAATGAAATTTACCACTCTCCTCTTGGCAGCTGTAGCAGGGGGCCCTGG

Table 2

TCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATCCTGCCCAGGAAGCTGGGA
CCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGAACCAGCTTCACCCCCAGAGACAA
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GCAGGCAGGAACTAAACCCCTGAAATCCATAGTGGAAGGAGTNTCTTACTNACAGAAC
AAGCCCTTGCAAAAGCAGGAAAAGGAATGCACGGGAGGCCNGCCAGGGGGGAAAAACAATT
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CCTTNCCAAAAA

Sequence 3781

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CCTTCATTCAATTGTGATACAAGAGTCCAGTTAGTAACACCATCGATTTCTTTTTTTTT
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CACTGCAACCTCCACCTCCTGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCGAGTAGCT
GGGATTACAAGTGCCCAACCACCATGCCTGGCTAATTTTGTATTTTAGTAGAGATGGGT
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GCCTCCCAAGTGCTGGGATTATAGGCATGAGCCACCACGTCCAGCCTCAACATCATGTT
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Sequence 3782

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GGTGGAACCTAGTGGAAGCCTTCCANTAATTTCTTGAAGCTNAGCNCTCAGGTGANTAGG
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AGCCTNCAGTGAGGGCGTCTGCGGTCTTCCGGTTTTNACCACCTTTNGCCACCCCC
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Sequence 3783

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GTTAACCCCAAGGTGGTTTGGGAAAAAACCAAAAAAAGGNTTTTTAAACCNCCAAG
GNNANAAAAGGNNCCCAAGGTTNTCGGAAAGGNAACCAAAAAAGNAAAAAATTTA
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CCTTTNCAACCTTTTTCAAAGGGGGGGTTAAATTAACCCCTTCCCAACCTTTTTT
TNAACCAACCCCAAAATTTAAAGGGGAAAAAATTTTTAATTTTAAACCTTNGG
GGGGAAGGGAAGGAAAAAGGGTTTTTGGGGGGGGGGGGGAACCCCAACCCCAATT
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GGGAAATTTTTTNTTTTTTNGGGGGGGGGGGGGGGGAANGGGTTTAAAAAAGGG
GAAAAAATTTTTAAATTTTTTTTTTGGGGTTGGGGAATTTGGGCCAAAAAAN
TTNAAAAA

Sequence 3784

GCGTGGTGC GCGCCGAGGTACGCGGGCGGAGGGTGAGGTGGGAGGGTCTCTTGAGCTCTG

Table 2

GAGTTGGAGGCTGCATTGAGCTATGATCACACCACTGCACTCCAGAAAAATAAAAAATGT
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GTTATCCAAGGGGTAGAAGCANATTTGGGGACCCTGGACTTCTCTCTGCACTCAGCAAGG
ATGTGTTGACTTGTGAAGCCTGGTGTGAAGACTTGGCCCTCTTGGCCCTGGGGGGCCTTTC
TGCCAGGTCCCTTGGCCCGCTTGACTCACGCCCCCTTCTTACCCAANGAAGAGTTCCC
GGGTTTGCTTGATNCGTGGNTGCTTTGANTTAGGAGCCCTNGNGTTGGGTTGACAGCATT
GGACCGAGCGANGGTTGATNGGAANACNANCAAGNCAATTNTATTTCCAAAAGGTCCAAA
GAACCTTACTNGGAAAAACCAAAANTTNCACCCCAACNGGTNGGGNCCGGGGCNATTGNC
NTTTGGGGGGGGGTT

Sequence 3785

AGGTACACTTCTGAAGAAAAACAGTATCATAGGAACCATTTCAAAGTTCTAGGAGCTA
ATCTTGAAACAGACCAAGCCTGGAGACCCAGTTGCACAGTTCCAGAGATGGCTTCAAGGT
GGCGAATTAACAACCCGGCCATTGTTGAGATGACGTGAGCCTGATGTCCAGGTGGACTGG
GACCCAAGGTGGCCACCAGAACAAGACACGAGGACATTGTGCCTGCCCC

Sequence 3786

NTGGGGGGAAGGCCCTTCCCCAACCCCCGGCCCGGGGTTGGGGGGCCCGGGGGCCCCCGGA
AGGGGGNTAACNCCCCTTTTCCAAAACCAACCAAAAAACNCCAANAAAGGGGGCCTTT
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CANTTTTATTTTTGGGGGCCNAATTGGGAACCTTTCNCCAATTCGCCCCGGNAATTTCCC
CNCCCCAAAATTTCCCCCTTTCNCCGGCNCCTTTCGGGGAAGGGCCTCNCCCCAATTAA
AAAAAAGGCCCCCCNAACCTTGGGCGGGTGGGGGGAACCCCTTCCAATTTCCCAACCC
GGGAAAAAAGGGGTTGGGAAATTTTGGGCCTTCCCCAAAAAAAACCTTTCCAATTTGGG
GGGGGNCNCAACCCAATTTTCAAACCAACCAAAAGGGCCNTTTNCTTTTCCCCCAAGG
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GGTTNCCCCAAGGGGAAATTCCTTTTTTTTGGGCCCAAGGNCCAAAGGGTTTTTCCC
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NTTNGGGCCAAAGGGGGNAAAAATTTTCCC

Sequence 3787

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CCTTTTNGGCCGGTTCGTNCCCTGGGCCTTTTCCAAGGGGTNAAAACCTTTTCCCAA
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AAATTTGGGGAAATTAACCCTTTAAATTTAAATTTTTTNGGGGGGTTTTTTTCCA
ACCCCAAAATTTNGGGGGGGAAAAAGGGGGGAAAGGNCCCGGCCCTTCCCAAATTTNG
GG
NTTTTTTCCAAAAGGG
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Table 2

GAAAAACCCCTTTTTTCTTTGGNAAAAGTTTGGGG

Sequence 3788

AGGTGATTCCCCAGACCTTCTGCAGATTCTGTGGTTATACTCACTCCTCATCCCAAAGGA
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GATGCCTCCTCTGACTCGACGGGNGCTGATCCTGCCCAGGAAGCTGGGACCTCTAAGCCT
AATGAAGAGATCTCAGGTCCAGCAGAACCAGCTTCACCCCCAGAGTACAACCACAACATT
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GGGCAGGNAACTAAACCCCCCTGGAAATCCATAGGGGGGAGGAAAAAGTATTTTTACTA
ACAGNAACAAGCCCTTGNNAAAGCAGGGAAAAGGNAATGCACCGGGAGGGCGTGCCAGGT
NGGAAAACAATTCATCGA

Sequence 3789

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GAAGGNGGTTTAAACCCTTTTTNTNCCCNCCCCAACCAACCNCCAAGNCCCNNGGTTT
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NCNTTGGGAATTNCTTTTTCCCTTTGGTTGGGGGGGGGGCCCTTTTNGGAAAAAGGGG
GCCGNGCCGGGGGAAAGGGGGAATTNAAAAGGCCCAAGNGGGGGGCCCGGGGGGTCCAAN
GGTNAAGGNCNCCCGGCCAAAAACNCCGGGCCCTTTTCCAAAGGCCAAAGGCCNTTT
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GAAAGGGGGGGGGGGGAAAGGGAATTAACCCGTTTTGGNCCCAACCCAANAAGGGTTTT
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NGTNAAGGAGGGGAAACCCAAAAAAANTTGGCCNCCCNCCGGGGCCNGTTTTAAC
CCCCCTTTGGGCCCCCCCGGGGGGGGACCCGGGGGGCCCCCGGCCNTTTCNTTTAA
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CNTTNGGCCCAAAGGGGGGAAAAAATT

Sequence 3790

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TAAATTTAAATTTTTGGGGAAAAACCTTTTTCCNTTCTTTAAAAAAAAGGAAN
AGGGGAAAAAANAANAACAATAGGGGNAAAAAAAGGGGGCCCCCTTTGGGGAAA
TTGGGCCCAACCCAAACCCAAAAAAAATTTNCTTTTAAAAAAAATTTTTTNGGGG
GCCAAAAAAGGGGTTCCGGNAAAATNCCAAA

Sequence 3791

CCGCGGTGGCGGCCGAGGTACCTGTTGCCATACCACACAGATGCTTCCAATTCCTACCA
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 CCCAATGAGATAATTTTCCCTTTCCCGCTCCAAACTCAACAAAGCATCTTCTGGACCAA
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 TTGAGTTACATTTTTTCAA

[illegible]

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GTTGGGAGGGCCAAAGGCCNAACCTTTACCCCAATTTTGGGTGGCCCTTGGGAAAAAG
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GAATTTGGGTGGGGTTNCCCCCCCNAATTACTTTTAAAGGGGGGGGGGAAAAAAGGGGGGC
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GNCCCAACCCCCAAAATTTGGGTTTCCANAAAGGGGGGGGGTTTNTTTCNAAAAAGGAA
AAATATTNGGGTTTTTTCCNCCCTTGGGCCATTTTTTTTTTCCCCCCCCCCCCAANAGGGGT
TANCCCAANAAAAACCTCCAAACCAACCCCCCNAAACCAACCTTTCCAAAAGGNAAT
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TTCTTTCCCCC

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Table 2

ACCGCGGNGGCGGCCCGAGGAACTANGAAATTTTTTTTTTTTTTTTGTCCACAGGGCNT
GGANNGGGAGAGATACANACAAAANCTTTTTNTNTANTTCCATAATTTCTTGATGGAC
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TGAGTGACATGGNACTCNCCTCGTTCTCNCAGGGCATAACATGCCANCATTTCTGTGCACAC
CGCCCTTCACTTTNAGCCCCCTGGATTGCTTCCTGGC

Sequence 3796

AAGGCCCTTCCCCAACCCCCGNCGGGGTFTGGGGGCCCGGGGNCNCCGGCCCCCGGG
GGGGCCANGGGGGTTAAACCTTTTTTGGNAAGGGGGGAAAAAANGGGAAGGGGCCTT
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TTCCAAATTCCTTTTTNTTTCCCTTGGGCCTTTCCTTTGGGTTTGGGTTCCCTTTTTTN
GNTNTNTTAAATTGGGCCTTTCCTTTCTTTTGGGGAAGNNAAGGNTNCCAAATTTGGG
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TTGGGCCTTTGGGGTGGGCCCCCCCTTNCNCCCAACCCAAATTACCTTTGGGGTGGGNTG
NTTNCCTTNCNCCCAAAATTACNTTGGGCCTTTCCTTTGGGGGGGAAAAATTGGGCCCC
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Sequence 3797

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AACCCAGGAGGTGGAGGTTGCCAGTGAGCCCGAGATCGCGCCACTGCACTCCAGNCATGG
GCCGACCAGGAGCAAGGACTCCCATTCTCAAAATAAAGTAAAGGAAAGNAAACAAAGTAA
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ATGCCACACCAAAATTTTAAATTTTTGGGCAAGGTCCGGATCCAATTTAAAGGGATTATTT
TATTTTGCCATTACCAAAAAAATTAATTTCTTTTTACTCCCCCCCCAAAAAATCAATTAA
NAAAGTTCAAAATAGGCAACCTTTTCTTAATGTGTTTAAATGTAATTCACCCAAATA
CATGTGTCCCCAAC

Sequence 3798

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ACATGGTGAAACCCCATCTCTACTAAAAAATATTTTAAAAATTAGCCGGGCGTGGTGGC
AGGCGCCTGTAGTCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGAGA
GGCAGAGTTTGCACTGAGCGGAGATCGCGCCACTGCACTCCAGCCTGGGCAACAGAGAGT
GAGACTGTCTCAAAAAAATTTTGGAGGGAGTGGAAGTTACATCAGATAAGGATACA
TGTAAGAAAGCCTCAAAAATTAATANACTAATTAAGAAATAATGGTTAAATAACAAGAA
GTCAGGCCAATTAATCAGAATAATGAATCTAAAC

Sequence 3799

CCGGGCAGGTACGCGGGGCCCTTTTCCGGTCCGGCGTGGTCTTGCGAGTGAGTGTCGGC
TGTGCCCGGGCCTGCACCATGAGCGTCCCGGCCTTCATCGACATCAGTGAAGAAGATCAG
GCTGCTGAGCTTCGTGCTTATCTGAAATCTAAAGGAGCTGAGATTTTCAAGAGAACTCG
GAAGGTGGACTTCATGTTGATTTAGCTCAAATTATTGAAGCCTGTGATGTGTGTCTGAAG
GAGGTATGATAAAAGATGTTTGAAGNTGTTGATGAAACAGTGTGGNATCCCTACTCTT

Table 2

TNGATCCTGGGGAACCCANCAACCAAGGCAAAGAAAGCTTTGGATTGAAAAGCCTATGGTN
AAAAAAGCTTGNGTTCAAATTTTCGGCGGAAGGTTGAACCGCCCGTCTNTTGAGACTGC
CAGTTTGTAAAGCAAACCTTTTTCCACCGGGGATGGGGATTAAAGGAAATACTCCTT
GCCANGANTAACGCCANTGGTATTTGCCAAGCCCCTTTATTTAAAAAAGNTGGGGCCAGC
CNTTNTTTNTGGGGGGCCCATCTCCANNNTACNCTTNNGGGCCCCGCTCTTAANAAACCT
AAGNGGGGATTCCCCCCCCGGGGCCTTTGNAGGGGAAAATTNCNNANTATTCNAAANGC
TTTTATTCCGNATANCCCGGNCCNACCNTCGGAAGGGGGGGGGGGCCCCCGGGGTACC

Sequence 3800

GCTCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGAACACGGTCAAGTTNCTGCTG
NNGGTCTACCTGAAGAAANTAACCCCTCTTNTNCACCTGCTCCCCGGCTGNCCGNACCTT
CCGGGCCCTTCGCGGCTGAATTTCTTTTCCCCCTTGGTCTTCTCCTGGGTCTGGCCATCT
NCAGCGTTCCTTGTACAGCATNTTCTTGATCCCGCCTTTCTAAGCTTTGTGGTCC
ATNCCGGGGGCAAGATCTGTTNCATCTTGGGCCANNATCCACTGAGTTCTATTTATCAA
GGCACTCCCTTGGAGGACCACCCCAAGNATTTNCCTNNTTCTTNTCTNNGGGGAACCCC
AAGGCCTTTTGGCTTGTGCNCCNNTTTCTTGGNTGGATCCTCACAANGCATTCTTGA
ATNNGGCGGTAACCCCTTCGNGANNCGNCTTCTTGNAGNAACTNAGNTNNGGNANTCCC
CCNCCGGGGGCTTGCNAGGGAAAATTTGCCGATTANNTTCAAAGGCCTTTANTTTGGA
TNTTANCCCGGGTCCGACCCCTTCTTAANGGGGGGGGGGACCCCCGNGGATAACCCCCC
AANGNTTTTTTGGTT

Sequence 3801

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAANAGGGTCTCACTNTGTC
ACCCAGGCTGAAATGCAGTAGTGATTTTGGCTCATTGCANCTTGACTTCCAGGCTG
AAGTGATCCTCCCGCCTTANCTNCTGAGTAGCTGGGGCTACAGGNATGCNCCACCATGC
TGNGCTAATTTTGTATTTTGTANTGGNGGGATTTCCGCCATATAACCTGGCCTGGT
CTGGAACCCCTGGGCTNGGGCGAATCCGCTNGCTTTAAGCTTTNTTAAANNGCTTGGG
GATTACNAGGNCNTGGAGCCACNANCTNCCCAANAGCCTTGTGAGNTTNTTANAGGG
AGGGAAACAATATTCTNCAATTCTGAAAAACAAACCTTNNAAAAATGGCCCAAAACCA
AAAACCTTGGNAGTTTANGCCCCCCTCCTCCTGATACTTGGNTGGGTAATAANTAATTT
GGGGAGGNTAAAAANAACNCTCATTTTTTGGTCCNTTTGGAATAAAAAAGGGGGATTTT
GCCAATTNGCCTTTTGAATAATTTGCNAAAAAAAACCTTTTNAATTTTCTTTTTTT
TNGGGGNTTNGNCCCCCAAANTNGNTGGCCAAAGNAANTTTAAAAAAATTNTNATTTT
TTGGGATAAAAAATTTTTTTNTAANCCCANAGGCTTTTACTTNGGCTTTTTNTTTN

Sequence 3802

CGGCCGCCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGT
TTGAGACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGC
CGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCG
CTTGAACCCAGGAGGTGGAGGTTGCAANTGAGCCCGANAATCGCGCCACTTGNACTNCAG
CATTGGCGGCGACAGTAGCAAGACTCCCATCTCAAATATTAGGAAAGTAANAGTAAANC
AAAGGAAAAGGAAAAGGCTTATATTNGAACTTCTCCTAACAAATTNGAAAAANAAAGAAA
AGCCTGGATGCACACANAATCTAAATTTTGGCCAAGTTCNGATCCAAATTAAGGGNTA
TTTTATTTTGCNNTNCAACAAAAAATNAATTTCTTTTACTCCCCCCCCCAAAAAANTTC
AATTAAAAAAAGTTTCAAAAATAGGCCNAACTTTTTTCCCTTAAATTGGTGGTTTTT
AAAAATGNTNAAATNNCACCCCCAAAAATAACCATTGGTGGTGCCCCCCCCAACTTTT

Sequence 3803

CCGGGGGGGGGGNAAGNTTCTTTCCGGCTTCTTTGGTNCAACCCCCCAAGGGGNC
CTTGGGGAAGATNGGCCAANNTTNGGGGGCCGGNCCCCAATTCNTTCNNGGGGCCCTCAA
CCATTGGCCAAAAGGGCGTTCTTTGGCGCTTCCCCGGGGTGGGTTTTCAAAAAGGCCG
GAAATATTCCTTCNCCTTGGGCCCTTCCAAAGGCNCCTTNTTAAAGGATTANGGCC
TTTAAGGGGAATTTTAACCAAGGGGCCGGGCCGGGTTCAAACCCCAACCGGCC

Table 2

TTTTGGGGCCTTAAAAATTNTTTTTTGGGTAAATTTTTTTTTTAAAGGGTTAAAGGNA
AGGGCCCCCGCGAAGGGGGTNGTTTTCCAACCTCCAAAAAGGNTTTAGGGGGTTCCAAAA
AGGNAATTGGGGGGTTCCTTCCAAAAAAAACCTTTTTNCTTTGGNACCNCCTTCCGGTTG
GGAAATTACNCCCGGCCNCCCCCGGGCNCCTTCTGGGGGGGCGCCCTTTCNCCCCCAA
AAAAGGCTTTGGTCCCCCGGGGGGGGAAATTTTAACCCANAGGGGGCCCGGGTTNGGAA
AGGGCCCCCAACCCCCCGGGCCNNGGCCCCCGGGGGGGCCCCCGGGCCTTTTCCTTTAA
GGNAAAAAAACCTTTAAGGGTTGGGGGGGNAATCCCCCCCCCCCCCGGGGGGNNCCTT
TGGGCNAAAGNNGGGGAAAAATTTTTCCGGCAAATTAATTTCCCAANAAAGGGCNTTTTT
AATTTTCCGGGAAATTANCCCCGGATCCNGGAACCCCNNTTCCCCANGGGGGGGGGGG
GGGGGCCCCCCCGGGGTTTAACCCCCCNAAAGNCCTTTTTTTTNGGGTTTTCCCCCT
TTTTNANGTTTGGGAAAG

Sequence 3804

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTCCCAGTCTTCGGGAGGACTTATTA
AAACAGATTGCTGGGCCCTACCCAGAGTTTCTGATTCTGTAGATCTGGGGTGGGGCCTG
ATAATTTGCATTCTTTTGTGTTTTGTTTTTAAAGATGGAGTCTCTCTTTTCGCC
AGGCTGGAGTGCAATCTTGCTCACTGCAACCTCTGCCTCTGGCGCCAAGT
GATTCTCCCGCTTACGCTCCCTAGTAGTTGGGACTACAGGTGCAGGCCACCACATCCAG
CTAACTTTGTATTTTAGTANAGATGGAGTTTACCATGTTGGCCANGCCTGGCCTCAA
ACTCCTGACCTCAAGTGATCCACCCGCTCAGCCTCCCAAAGTGCTTGGACAGAAGAAT
CACTTTGAACCCAGATGTTTNGAGACCAGGCTTATGCAACATANTGNGCCCCACTATTTA
TATTTTTTTTTAACTAA

Sequence 3805

CNGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAA
AATTAGCCGGGCATGGTGGCTCAGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAG
AGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTC
CAGCATGGGCGACAGAGCAAGACTCCATCTCAAATAAAGAAAGAAAGAAACANAGAAAA
GAAAAGCTTATATTGAACCTNTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAA
TCTAAATTTGGCAAGTCGATCAATTAAGGATATTTATTTTGCATCACAAAATAATTCTT
TACNCCCCCAAAAATCAATAAAAAAGTTCAAATAGCAACTTTTCTAATGTGTTAAAA
TGGAATACCAAAAATACCATGTGTCCCCCACTTNTTTTCCAGTTATAAATTTCTATTG
GNGTAAAGGTGAGGGGTATACCCTGAAAGTTNGNGGCAATAAANGAAGAGTTTGANGC
CTTTAAGACCTGGCCCTTGGGAGGNGGAAGCCGNGGTTTNTTTTTTAAANTTCTTNG
ANGGAAANNNGGNTTGGGGGGGGCCACAAAAATTTNTCTCAAATCTTTTTT

Sequence 3806

TCGGGNAAACCTTGTNGTGCCAAGCTGCATTAATGAAATCGGGCCCAACCGCCGCCGGG
GAGGAGGGCGGTTTTGGCGTATTTGGGCGCTTTCCTCGCTTCAACTTGGAC
TNCGCTTGCGCCTCGGGTCCGTTCCGNCTTGCCGGCCGAGCGGTTNTTCAAGCTTCACTC
AAAAGGCCGGTTAATACCGGTTTATTCACCAGAAATCAAGGGGGATTANACCGCCACGN
AAAAAGTAACATTGTTGAAGCCAAAAAGGGCCAGCCAAAAAGGGCCAGGGAAACCCNT
AAAAAGGGCCCCCGTTTTGCTGGGCCG

Sequence 3807

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCAGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GAGCAAGACTCCATCTCAAATAAAGAAAGAAAGAAACAAANAAANGAAAAGCTTATATT
GAACCTCTNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTTGGC
AAGGTCGATCAATTAAGGATNTTTTATTTTGCATTACAAAAATAATTTCTTTACTCCC
CCCAAAATCAATAAAAAAGGTTTCAAATAGGCAACCTTNTCCTTAATGTGT

Table 2

Sequence 3808

CACTATTTGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGACAAAAAATAC
AAAAATTAGCCGGGTGGGACACGCCTGTAATCCCAGCTACTCAAGAGGTTGAGGCAGGAG
AATAGCTTGAACCCGGGAGGCAGAGGTTGCAGTGAGCCGAGATCACACCACTGCACTCCA
GCCTGGGTGACAGAGCGAGGCTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAATTGTTTTAGCGCTGGGTTTCCCAAGNGGGGAGAGGACAGACCCAAGCCTGGAGCCT
GGCCCCCTGGCCTGTGTGCTGACTTCTTGGGGGTCCCTTAAACCCANTGGNATTTTTCNTG
TNGGAGCCCTGTTCAAACCATNAGCCAACAATCTCCTTCANTAAGTGGGAAAAAGTTATT
TCCTGAATCCGTTTCCACCAAAAGCCAAGTTAGTTTTTTTTCNTNCAACTCTCAATGTT
TAAACCAGGAATNAAAAGAAAAAGGGCTTNCGTATTTCATGGCAAAAAAACCTGG
CTTCTTTNTTAAATNNGGAAAAAA

Sequence 3809

CCGGGCAGGTACCTTAGCATCATCTGGTCTGACCTTCCACTTTGCAGATAAGGAACTGA
AAGCTAGGAAGAAGAAGGGATCCACACAGCAGGCCTCCACTTCTTTCTTCTATAATAGA
CTCTCTTTGCAATAAAGAAAAATGCGTTTGACATACATCTCCAATGTAAGCTGTATGC
AGCAGGTGCAGTGAATGCTACAGCAGTCACATACACAGCACTAAGGGACCCAGTGGCTG
AAAGGGGGTCAAAAAAGACTTCATCTGAGAGGTGACTTGGACTAGGAGGGGCAAGTTAGA
AGTTTTAAGGGAAGATGTGCCAGGAAGGCTAACCTCTCACCATAATACATACCCCCCATC
TAAGTCAAAAGTTGTTGCTGGGAAGCCACTATGTGGAGACTGCACATCCTGGCCTCTCT
GCATCCAGGGTGGGGGCCACATTGATTACCCAGTTNGGCCAAANAANGACCGTTGAGC
CAGGGANTTGATTGTGGTGTTCAGTTTAAAGANCCAAAGGGCAAGGGTAAANAAAAGCAA
NCCCGNTGCCCTTTTTNCANTCAGGNCCCTTTTT

Sequence 3810

CGTAAAAAGCCGCNTTGCTNGGCCGTTTTTNCNATAAGGCTTCCGCCCCCTGGACGAG
CATTACAAAAAAATCGACCGCTCAAAGTTCAGGAGGTTGGGCGAAAACCCGACCAGGGA
CTATAAAGAATACCAAGGCGGTTTTCCCCCTGGGAAGCCTTCCCTTCGTGGCGCTTC
TTCTGTTTNCGACCCCTTGCCCGCTTTACCCCGGGATTACCCTGTNCGNCCTTTTCTC
CCTTTNGGGGGAAAGCGTTGGGCGCTTTTCTCAATANCTTACGCCTTGTTAAGGTAAT
TCTTAAATNTTCCGGGTGTTANGGGTCCGGTTNCGCTTNCCAAAACCTGGGGGCTTGTT
GTTGGCAACCGAAAACC

Sequence 3811

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGTTTCCCCACACCAAGTCGCCGAGCCG
CAGACTCACAGCCGCCATCTTACCACCAACCACCGCCCCCGGTACCT

Sequence 3812

AGGTACGCAAGAGCTACCCACCTACCTGACCCACCACTGGNATTTCCAGAACCCAGGCA
AGCCACCTGAAAAGAGTTGGTCTGCCTGGAGTAGCTAACACTGGTGCTAGTATACATCAC
CTTGGTGCCCAAGAACGGGCATGCCAGCCTACTGTAGCCACTGCTGGGACCCGAAGACT
GGCCCATGTATCCCATTTCCCAACAAAACCTTACCACAGCTTCCACTAACACCATATGC
TAAGCCACTGAGTAAATCACAGACAAAAATGATGCTGTTTATAGTTGAAGAAATCATACA
GCGATTACACTACTGCACATGCCAGAATCAAAGCCAAAGCATCCTACCCAATGAACACT
ATGCATACATTTTACAGGAAAAGTCTCCCTATGAAAGCAAATTCAAAAAATTGAAAAA
GCAACTGTTACACAAGATGCACAAATNCCAATGTAAGAACACAGGGAAACATGAAAAGCA
AGGAACATGACACCTCCAAAACAACACAAT

Sequence 3813

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAA
GACTCCATCTCAAAATAAAGAAAAGAAAACAAAGAAAAGAAAGCTTATATTGAACCT

Table 2

CTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTTAAATTTGGCAAGTCGA
TCAATTAAAGGATATTTATTTGCATCACAAAATAATTCTTTACTCCCCCAAAAAATCAA
TAAAAAGTTCAAAATAGCAA

Sequence 3814

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
GANCAAGGACTCCATCTCAAAATAAAGTAAAGAAAGANACNNATGAAAAGGAAAAAGCTT
ATATTTGAAACTTCTNTTAAAAAAGAAAAAAGGAAAGCCCTGATGCCACAC
AAATNTNTAAATTTGGGCCAAGTNCGATCAATTTTAAAGGGATNTTTTATTTGGCAN
TCCACAAAAATAAATTTCTTTTACTTCCCCCCCCCNAAAAANTCAANTTAAAAAA
AGTTTTCAAAATTCCTCGGCGGTAACTTNTGGGCCCGGTTNTTAAAAACTTAGGNGGG
GATTCCTCCCCCGGGGCTTGCANAGGAAATTNNCANNNTTTCAAANGCTTNTTCGGGAT
NNCCNNGTNNGNANCCCTTCAAAGGGGGGGGGG

Sequence 3815

TTAAGGGCCTCCTTTTTTCATNTTNCCTTTTTTATTGGGTTTGGCCCCCTTAAGNCCCC
AACCCCTTTTGGAAACCTTNTTTGGGGGCCCTTGAAAAATTAACAAAAACNAGGTTCCCC
TTCAAAAAATNGTTTTTTTGGACCCCTTAAGTTGGGGAACAAAAAAGCCCAATCG
GAAAAGNAAGGGTTTAACTTANTAAGGGGCTTGGGGGCCANTTGGGGTGGGGGTGGC
CNAITGGCCCTTGCCAAANTNCNCCCAAGGGGAACCCCTTTGGGGGGNAAGGGGCCCN
AAGTAACCGAAGGAAAGGGGAATTGGGGCTTTTGAANGGCCNTCCAAGGGNAAGGTT
TTTTGGNATTANCCCCAAANTTCTTGGGGGGGCCAAAAACAATTGGGNTTGGAAAAA
ACCCCCCNAAATCTTTTNTTACCCAGNNAAGNTGANGGGTTGNACCTCCTCCTCTA
TNGNTTANANAATTANANAANAAGGGGGTTTACCCCTTNGGGGGGCCCGGNTTTNTT
TAANNAAAAACCTNAAGGGGGGGGGGAATTNCCCCCCCCNGGGGNCCTTGGCANNANGG
GGGANAANTTTTTCCGGAATNTANTNNAAGCCCTTTTTANTTTCTNTAATTAANCCCC
GGATNANNANCCNTTTNTANAANGGGGGGGGGGGG

Sequence 3816

AGGTACTTTTTTTTTTTTTTTTTTTTTTGGCAACACTTGGGAGGCTGAGGCGGGTGG
ATCACCTGAGGTCCGGAGTTCGAGACCAGCCTGACCAACATGGAGAAACCCTGTCTCTAC
TAAAAATACAAANTTAGCTGGGCGTGGNGGGGCNCACCTGTAATCCCAGNACTCGGGAG
GCTGAGGCAGGAAATCGCCTGAACCCGGGANACAGAGGTTGTGGTGAGCCGANATCGTG
CCACTGCACTCCAGCACTCCAGCCTGGGCAATGACAGCGAAACTCTGTCTCAAAAATTAT
ATACATATATATTTTTTGGCCAGGCGCAGTGGCTCACGCTGTAATCCCAGCACTTTGGG
AGGCCGAGGCAGGCAGATCATGAGGTCANGGAGAATGGAGACCCCTCCTGGCTAACACCG
GGGGAACCCCGTTTNTACTTAAATTCAAAAAATTTGCCAGGCCGTTGTTTGGC
CGGGCCNCCCTGTAAGTCCCCAACTTNACTTGGGGGAAAGGCTTGAAGCNAAGGAAAAAT
GGGCNTGGAACCCCAAGGAAAAANGGCGGGAACCTTTGNANNNGANGCCTTGANAATCGG
GGCCAATTGGNAACCTTCAACCCCTTGGGGGGGACACANGGGAAGACTTCGNTTCA
AAACCCCAAAAAAAAAAAAAA

Sequence 3817

ACAAGAACTAGGACTGTTTGCACGTGAGGTTGTTGAGGAGCCAAAGGCCCTCAGGGAGC
AGACTGGGCTGTTNCTGGAAAAAGAACTGCAGAAGGATAAATAAGGCTGCCACAACACGC
TCATCTCTGAGCTGCATTTGCCCTCCACAGTCTCCACTGCTGCCTCAGTTAGCAGGTTG
CTTAGACATCGAAGCACGGGGCATGCCAGCAGCTCCAGTCTGCTCCTCGCTTTTCTGG
ACAGCCCCAGCCAAGTCCAACAGCAGCAACCCAGAGTAGACAGAGCCCCATGGCCAATG
AGCAGAGGATTGCTGACCTGGCTGCAGATGATGTAATGAAGGCACCAGGCAACCCCGCG
T

Table 2

Sequence 3818

GAATCGGCCAACGCCGCGGGGAGGAGGCGGGTTTGCCGTATTTGGGCGCCTCTTCCGCT
TCCTCGCTTCACCTGGACTCGCTTGCGCCTCGGGTCCGTTTCNGGCTGCCGGCTGAAGCGG
TATCAGCTCACTTCAAAGGCCGGGTAATAACCGGTTAATCCCACCAGNAAATTCANGGGG
GNANAAACCGCAANGNAAAAAGAAACNATTGTTNAGNCAAAAAANGCCCAAGCNAAAAAN
GGGCCCAAGGTAAACCNGTAAAAAAGGGCCCCGCCGATTTNCTTGGGCGGTTTTTTTTT
CCATTAAGGGCTTCCCGCCCCCCCCCTTGAACGAAGGCATTTAACAAAAAAATTCGGA
CCGCTTCAAAGTTCAAGAANGGTGGGGCCGGAACCCCCGGAACAANGGGACCTTATTAA
AAGGANTANCNCAAGGGCCGTTTTTCCCCC

Sequence 3819

ANGTACACANGTAGTTTGTACAGACNNGGGTAAAAANNAGAATACTTCACACACGTTTCAAC
ACCATACAAGGCATTA1TCTTCACACAGTAACATCTAATGTCGTTCTTTATTTTAAAA
CANCAGGAAAAGAGCCCTTTCCCTTCAGAGGAAAATAAAAACTTTATCTGTTGCTTAAGC
CAAACCTCCAGGGGAGGAAGGTGTAGTCCTCTGGGGAAAGTANAGGGGATGGGGATGTATT
GGGAGGAAGAATGGGACCGCCCCCTTTCATAAGCACCTTNAGGGAGGGAANGGAATTTNGC
ANGGAGGGTTTCTTNGGGGGACCAAGTCNACACCAAGCTTTTCTCCNGNATCCCTTTGGC
CCCCCTTTTTTCCNTTCACCTTGCNACCAACTTGGTGTTAANCCCGGGCCGTTNNAACAA
CCATTGGGGGGNACCTTTTGNCCCCCNCCGTTAACCTTTGNCTCCCNNGGNCCGGGGG
NCNGGTNTTCTTNAAAAAACCTTANGTTNNGGAAATACCCCCCCCCGGGGCCTTGGCAAN
GGGAAANTTTCNNGAATANTTCNAAAAGCCCTTTTATTTGNAANNCCCCGGTCCNGAAN
CCTTTCGCAAGGGGGGGGGGGGGCC

Sequence 3820

TGGAGCTCCCCCGCGGTGGCGGCCGAGGTACAACAAATAACCCCAACACTCAGTAGCTAAA
ACAATGAACATTTATTATCTCATAGTTTCTGCAGGACAGTTATCTGGAAGACTTAGCTGG
TAGTTATGGTTTAGGATCTTTCAAAAAGCTACTGCTGTGTCAGCCACAGCTGCAGTCAT
CAAGGCTCAACTAGGAAAGGATCAGCTTCCAAGCTCACTCATGTGCCTGTTACCATTCAT
GTGGGCCTCGCTGAAGGAATGCCTTTGGCAGCTGGCTTCTCCAGANTGAATGATCCAAG
ACANAGCAATNGAGAACACCCAAAATGGAAGCTACAGNNTTGTGTTGNTGTTGTTGTT
GAAGTTGTAGTTGTTTTGGACAAAGTCTCACTTTTGCG

Sequence 3821

TCCACCGTGAGGCGGCCGNCCGGGCGAGGTNCGCGGGCCAGGGCNCGGTGGCNCGAGCCT
GTAGTCCTNAGCCTTCCCAAAGTGCTAGNATTACCCGGGNGGTGAGCCACCTGTGCATGG
CTTCCANCTCTCCTTCTTAGAATAGTGGGGTATAGTCTGCACAACAGGAACCATGGCGGG
GAATANACACTTTCCCATAGNCAAATAGCATACCTGACTCTCTGTGCTAATATTGCACAT
TTGTTANAACAATGAATGAATTGGATGGATGGGATGGATGGATTGAATGAAATGAAACAT
ATACTACTGATTATTTTATCCAGAGTNCTCAAAATATTNGCTGCCTGATATTTTGAGNG
CTGACTGGGAATTACTTTTGGATTAGGATAAAACAACCTNNGGAAATAATGCTGC

Sequence 3822

GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTGCGGCACCATGAGAGGCGTGTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGTAGGGAAAGTCTCCCCGCGTACCTT

Sequence 3823

TATGGCGAATTGGAATCCACCGCGGTGGCGGCCGGCGGGAGGCTGACGAGAGCCGGGAGG
CGTAGCCGAAGGAAGAGAAAAACCGAAGACGAAGCCACTACAGCGTCGCANCGCGGCAG
CGGCGTNTGCTTTATAGGAGAGGGCGCAGGCCCCCCGCGTACCT

Sequence 3824

NCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGA
CCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCA
TGGTGGCTCACGCCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGA

Table 2

CCCAGGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCCG
ACAGAGCAAGACTCCATNTNAAAAATAAGAAAGAAAGAAACANAGAAAAAGANAAAGCTT
ATATTGAACTTCNTNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATTCTAAA
TTTTGGCAAGGTCGATCAATTTAAAGGGATATTTATTTGCATCACCAAAAATANATTCTT
TACTCCCCCAAAAAATTAAATAAAAAAGGTTTCAAATAGGCAACCTTTTTCTTAAA
TGGTNGTTT

Sequence 3825

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTAAGCCAATTTCTTTGAA
TAATTTTTTTTTTACATTTTTATTTTAAAAATGAGACAGAGACTGGGCGCGGTGGCTCA
CGCCTGTAATCCAGCACTTTGGGAGGCTGAGGCAGGCGCATCACTTGAGGTCAGGAGTT
TGAGACCAGCCTGGCCGGCATGGTGAAGGCCTGTCTCTACTAAAGATACAAAAA
AATTGGCTGGGCATGGTGGTGCATGCCTGTGGTCTGATTCTCCTGCTTCAGCCCCTGGAG
TGGCTGGGACTGCAGGCACACACCACCTTGCCTGGCTATTTAAGCTAATTTCTTTGGCA
CTCTGTAGCCTCCCACATTCACTTCCACATTTATTTACCTATAATTTCTTCTACCAA
TTCTCCTGTATTTCCCTTTCTTTTGCTTCTCTGTTCTCTGGGGNGNCTTCTTTGNCT
CTTTTGCCTCCTTGCCTNCCCTATCTTTTTTCTTTTAGGGTGGGTTTCTTTTTT
TCCCTTAGGNTTTTCCCTTANGTCTTTATGGGCGTTGGCTTTGCCCTCACTAACAAGT
TAACATAAAGACGTATTTCTGTTTCTTTGNACCTCGGCCGCTCTAAAAATAGTGGGATC
CCCCGGCTNGCANGAAATTNGANANTNAAANCTTATCGGANANCCGTCCGANCTCENNA
AGGGGGGGG

Sequence 3826

GGGCAGGTACTGGAACAATTCTTTTTGGATTTAACCTTCCTCTACTTTCTTTATATTT
TTCATAAAATAAATGAATAAATAGACATAAATAAATGANTAAATGTAGGAAGAAGGTCA
TATTTCAACACTAATTTTAGTAATGCTTTACATAGGAGCTCTTATAAAATATTTACTTAA
AATTTACAATTTACTAGATGTAGTCATATAGATCTAACACAGCGCTTAGAGACAACTT
TTATTGGGGCCTTAATGGATTTATAGGAATATAAAGGTTATACAACCAAGAACAGGGATG
TCACCAAAAAAGAGTTCACCTTGGTCCCGGCTGCCTGCCAGGGACCATTCTTCACCAAGG
GCAATTGNTTTTGGCTTTTTGGGGTAAAGGTTTCCACCCAATGGATCC

Sequence 3827

TCCACCGCGGTGGCGGCCGCCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCC
TGAGGTCAGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAA
TACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGA
GGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACT
GCACTCCAGCATGGGCGACAGAGCAAGACCCCATCTCAAAATAAAGAAAGAAAGAAACAA
AGAAAAGAAAAGCTTATATTGAACCTCTCAAAAAAAGAAAAAAGAAAGCCTGATGCA
CACAAATCTAAATTTGGCAAGTCGATCAATTAAGGATATTTATTTTGCATCACAAAT
AATTTCTTACTCCCCCAAAAAATCAATAAAAAAAGTTTCAAAATANGCAANCTTTTC
CTAAATGGTGGTTTTAAAAAATGGTAAATTCACCAAAATANCANTGGTGTCCCCCAACC
TTCTTTTCNAGGTTTANTAAATTCCTAATTTGGNGNTAAAGGNGNGNGGTATACCCTGAA
AGNTGAGGGGCAAAATTAAGANANTTTGGAGCNTTTANNACCTTGCCTGGGANGAGAAG
NGGTGGTTCTTTCTTTAGAAGTNTGNNGGGAAATGGGTTTNGGGGCNCAAAAAATCTT
TTTAAATCTTTTTTTTTTTTTTNCNNCNCNCNCNGGGGCNNTTTNTTTTCTTTGGGNNN
AANNGGNTTTTTNGGGAAAANTTNTTTAACCTNNGGNNCTNTGGGCGNCTTTNNAAC
NAGGGGNTNCCCCCGNCTGNNGGGGNATTTNNTTTNTAGNCTTTNTGGTATCCCCGCC
NNCNTNNGGGGGGGGGGGG

Sequence 3828

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCNCCTGAAC

Table 2

CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCACCACTGCACTCCANCATGGGCCGAC
AGAGCAAGACTCCATCTTTAAATAAAGTAAAGNAAAGGAAACAAAGGAANAAGAAAAGC
CTTATATTGAACCTTTCTCTAAANAGAAGGAAAAAAAAAGAAAGCCCTGGAATGCACAC
AAATTCATAATTTTGGCCAAGGTCNGANTCAAATTANAAGGGGATTATTTTAATTTTGN
CNTTCAACCAAAAAANTAAATTTCTTTTACCTTCCCCCCCCAAAAAGATTCAAATTNAAA
AAAAGTTTCAAAAAATTAGCCAACCNNTTTTCCCTAAATGGTGGTTTTNAAAAAATTGN
TNAATTCNACCCCAAAATTACCATTTGTTGTTCCCCNAAACCTTTCTTTTCCNANGTT
TANTAATTTTCTTAATTGGGGGGNAAAAAGGTAGGAGGGTTATTTANCTTGTAAANGTTG
GGAAGGCCAAATTAAGNANTANTTTNAAGCCTTTTCAAGAAACCTTGGCCCNCTGGAA
AAAAAGAACCNTTGTCTTTCTTTTAAAAAATCCNTNNANNNGGAAAAAATGNGGT
TTTGGGGGGGNCNCCAAAAANTTACTNNNTCAANACNTTTTTTNTTT

Sequence 3829

TTGGAGCTCCACCGCGGTGGCGCCGCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTT
TTGAGTAATATTAGAGTCACTGACAATGANAAAAATGGAACAGTGGATTTAAACATGAA
ATGGCCCATTAATGGGTCTGAACCTGTTTTAAACTCCAGATAATATANCTTGGCTGT
TTCTGTCTTTCCAAAAATGTCAAATTTGTCTAGGATTAATGGNTCTCTAAATCAATAG
GATNTTCATGTTTATAAAATGNGTTTACCGGTTCCACTGGTTTTNTAAATGTTATGGAGC
NCATGCATTATTCATTCAACGCCTGAGCCCTTTTACTGAAAATTTTACTGACCATTTAAG
TCTGGCNTCCAGGACCCANACCATGGGAAGGGAGGACAANAGNCGGAATCCTTTCCAAG
GGCCTGGGC

Sequence 3830

GGCCGAGGTACTTATTTTTTTTTTTTTTTTTTTTTTCCNGAATCGGGTTTTACAATGA
ATGTTAACTTGCAACCAGGAGGTACCTTGGGCCCCANAGCCTTCTTAAACCTTGGCAC
CCTGCCAGGGGAGCTCCAACCTTGCAGCCCAAAAAAGTCATGTTGGCAGCTTATCAGGA
GCCAGGGAGTTACATGGCGCCCTGGGGGTAATAATTTTTCCANAACGCTCAAGCTAATA
GTCCCATGAATGGGCGANTGAAAGGACTGCAGGTATGCTCTTCTTGTCTCCTCAGCCTTGG
AAGTCTCATCCATCTTTGCAAAGGGCCACATNAANACTNTGCTTGACCTNTAATGGGCAA
AAATTTGGGGGANACTTGNCCTTTTGTCTTACNTTACCCTNACTGCCAGACAGAANTTG
TTATANTTTCAANGCCCAANGTTNNNGCTTTTACTTATTNANCGGGGCGNTTTGAATT
TCCATTTTTTTTTAAAAAA

Sequence 3831

CCGGGCAGGTACTTTATGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCCGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGCATG
GTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACC
CAGGAGGTGGAGGTTGCANTGTAGCCGAGNATCGCGCCACTGCACTCCAGCATGGGCGAC
AGAGCAAGACTCCATCTTCAAAATAACAGTAAAGAAAGGAAAAACAANAGAAAAGAAAAAG
CTTATATTNAACCTTNTTTTTAAAAAAGAAAAAATAAGNAAAGGNCCTGGATGCACCACC
AAANTCTTAAATTTGGCAAGGTTGANTCAAATTTAAAGGATATTTTTTATTTTGGC
ATTCAACCANAAAAATTAAATTTCTTTTACCCTCCCNCCAAAAAANTC

Sequence 3832

AGGTACTTTANGAGACCCANGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCACTGCTTGGGAGGTTTGGGCAAGAGAATCGCTTGAACCCAGG
AGGTGGAGGTTGCAGTGAGCCGANATCGCGCCACTGCACTCCANGCATGGGCGACAGNAG
CAAGACTCCATCTCAAAATAAAGGAAAGGAAAGTAANCANAGAANAAGGAAAAAGCTTTA
TNATTGGAACCTCTTNTTAAAAAAGGANAAAAAAGGAAAGGCCTTGGATGCACACA
AAATTCNTAAAAATTTGGGCAANGNTNGAATTCAAATTTTATAANGGGAATTTTTTATT
TTTNGCAATCCACCAAAAAATTAATTTTCTTTTAACTTTCTCCCCCCCCAAAAAATTA
CAAAATAAAAAAAGGTTTTCAAAAAATTAAGGCNCAACCTTTNTTCCCTTAATTGGTG

Table 2

GTT

Sequence 3833

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGCGGTGGTTGGGTGGTAAGATGGC
GGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACT

Sequence 3834

CCGGGCAGGTNCCAAGCAAAACACTTGGGTNTGTCTGTTGCTAAATAAAGAACCCAGGAG
GGGCTAATTANCCACTTTATATAAAGTAAAAGTCACACCTNTAGAGCAGCTTTTAGGGTA
GCTGTGTTAGCCAAGGAGGTGTTTCTC

Sequence 3835

TATCCACAGAANTCAGGGGATAACGCATGGAAAAGAACATGTGAGCAAAANTGCCANCCA
AAAAGGCCCAGGAACCGTAAAAAAGNGCCCGCGTTGCTTGGCCGTTTTTNCATAAGNG
CTTCCCGCCCCCCTTGACCGGAGGCAATNACNAAAAAATTCGGANCGCCTCAAANTCA
CTAAGNGTNGGGCCGAAAACCC

Sequence 3836

NTATAGGGCGAATNGGTAGCTCCACCCGCGGTGGCGGCCGAGGTACAGGTCATGGTAAGT
AGACACANAACCACACTGCTGAGGNCTTCTAAAGTGCCTTCCTTTCTTACAGCCTGGC
TTAGCAGGTAGATCAAATCGAATGGTGGGGGGA

Sequence 3837

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTACAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAACCCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCANGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGGCGACAGAGCA
AGACTCCATCTCAAAAATAAAGGAAAGAAAGGAAACAAANTAAAAAGGAAAAAGCCTTAT
ATTNGAACCTTCTCTAAAAAAGAAAAAAGNAAAGCCCTGATGCACCACCAAAA
TTCTTNAATTTTGGGCCAAGTTCGGATCCAATTTAAAGGGGATATTTTATTTTGGCATT
CACAAAAATAAATTTCTTTTACCTCCCCCCCCAAAAATTTCCAANTNAAAAAAGT
TTCCAAAAATTAGCCAAACCTT

Sequence 3838

GGGTACANACCACAGCACCACGTCTGCTACGGGGAGTTCATTCCCAGCGAGCCAAGGGCT
CTTCCCAAGAGCAGAGTTCATGGAGCGGAAACAGCGGCTTTTTCTTTACTGCTTCCCTC
TTTTAACTGAAAAATCGCAATATCTACCCAGCTATCTATAAGGGTTGCGTTGACAGCATT
ATGCTTCTGGCCAAACAGAGAGAACAAGGAACGTGCAATGTTCCCTTCGCCCTCGATGGG
GCACATCCGNCTGGGATGCTGAATTTTCATCTGCGTCTTCGGCACATTCTTCCAAATTA
GGTGAAATCCCAGCTGATAAGTCTTGGGCGAGGGNNTGTTTTTTATTCTGTTCTCCAA
AGCACNTTGAAGAAGGTTTTTCAGGGCACCGCCTCTTNGACCCGAGGGAGTGCCTGGTGCA
CCGTGGGACAGGGACCCCTGAAAGGTGCTTCAACAAGAAGCAAGTCCTTGGTGNCAGCCAA
CAANGCAAGGGGAAGAAAGGGGGGAGGGGGGAGGCCCGGGTTTTTGCCGGTTTTGGAT
TNCACCGGAATGGTCTTTTTTTCANACNGCCCCCGGTAAAATTCCTTTCCCCCAAAGN
CNACCTTGAAAAANTTCAAAGNTNCCAAGNCNGCATTNCCCCCGGNGGTTACCCCTTG
GCCCCNGGGGCCGGGNCCGNTTTCTTTAGNAAACCTAAGGANGGNAANTCCCCCCCCG
GGGCCCTTGGAAGGNGAAATTTCCGAATANTTCAAGGCCTTAATCCGATTAACCCGG
TCNGAACCCCTNNNCAANGGGGGGGGGGCCCC

Sequence 3839

TCCACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGCTGAGT
GGGATTTGCGTGGCTGCAGACTGGGCCCGGGCAGTCACTAGCCTAGAGGCTTGGCAGAT
ATGCCTGCCGCAAATTGCAAGAATTACGCCTTTTACCTCCTNTGCTCTCCTCCCGGAGC
CGGTGCCCCACCTNTTTTTACAAACCGCAGGGCTGGGGAGAGGGACTTAACCTTTGGCC
TGCTGCTGGCTGTTGGCTCTGCGCTTGTGNTTTTGGTTTCTTCTCTTCTACTGGT
CTTCTCTTGTCTTGCCAGCCACCTATGCTGNTGTTTTCTCCTCTGCTTCCCTNTCCCC

Table 2

TAGGGGAGGGACCGGCANGAGTGGAGCTACTGTTTTTTNCCTGAGAAGAAAGAAAAGGG
GAGTTCTTGAATATTTTTCTTACTACTGGAGGTTTTGTGTGAGGTTNAAACCCCCCAAC
ANTAGGGATTTTTNACCTTNAANACATNCTAANGGNATACTTTTACCNCCCCCTGNGGGN
TTTTCTCTCTTTGGTTTGNCCCAACCCAANGAANTGCTTTTNCATCCCGGNTTTTTCC
CCTAAGTNCCCGAACNCCCAAAGGGGAAANTAACNTTTTACCCGGGCTTCCTGGGGGGGA
TTTCTCCTTTTCTTTGGGTNCTTGGTGCCACANGTTGGTCATTTNCCATTTTCTTGNG
GGAATCTT TAAACTTAGGTTGCTTGGGCCAANTTTTTTTTTTTT

Sequence 3840

AGGTACAATAAGGAGGTTATTTAGACCTATTGGCAATCCATAGGAAAATAAAATAATCA
AAAAATTGCTGCTTATCTTCAGTGAACAGAACCAAGATTAGGACTCAAAGCCATCTGA
AGCACTTTCATGCTGGCAACGTTAAGGAACAACATCCATGTGATTAACAAGAGCAGCCTA
GTCCAGGAGGGTTGCCAACAGCAGGCAGAAAGTGTGGCATATCTGGATAGGCAGTTATTGT
TTTAACAGGGTCAAGATTAATGGGCAGGTGTTCCGCGATAATCCGGCTCCCGGCCAGGC
TCCAGCGCACCCGCCTCCCGCGTACCTGCCCG

Sequence 3841

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTATTTTTTACTTGGGGAAATTTATTA
AAAAAAAAAGAAAAACAATAATTTATGCCCTTGGCAAAATAAAAGATCTTATCAATATA
AATGTTTCTTANAAAATGTATGAAAAGATAATATATTAATAAATCAATATTAACATTA
CAGCAAAAGTAATAATGATTATNTAACATGACAAGNGAAGATNTTCTGGCCCTTACAC
AGTAGTATTTCTGGAAGGNCTCTGATTCTGCTTGTCTAGTACAGGCGTGCTCTCACTT
TAANAAAGCCTGATGCCNCTGGGCGAGGNGGCTCACGCCTGTAATCCCAGTACTTTAGGA
NACCCAGGCGGGCANATTGCCTGAGGTCAGGAGTTGANACCAGCCTGGCTAACATGGTG
AAACCCGTNTNTACTAAAAATACAAAAATTANCCGGGCATGGNGGCTCACNCCTGTAGT
CCCAACTGCTTGGGAGGTTGAGGCAAGANAATCNCTTGACCAAGANGGGGAGGTTGCAA
TGAGCCCAAAATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCCAGACTTCCTTTTTAA
ATTAAGGAAAGGAAAGGAAACCCAAGGAAAGGAAAGCTTTTTTTTGAACTTTTTTA
ANAAAAANAGGAAAAAAAAAAGAAAGGTTCTGCCNNGGCGGGGCGGTTTTAAACCTAAG
GGGGNCCCCCGGGCTNCGNGAAAAATNCGTTTTTAANCCTTTNNNNTNACNGGGTTNC
CNTNNNGNGGGGGGGGCC

Sequence 3842

TTTTTCCAGACACGGAGTCTTGTCTGCCACCAGGCTGGAGTGCAGCGGCGCGATCTCG
GCTCACTACAACCTTCGACTCCGTGGTTCAGCAATTCTCCTGCCTCAGCCTCCTGGGTA
GCTGGGATTACAGGCACGTGCCACCACGCCAGCTAATTATTTGTATTTTAAATANAAAC
AGCGTTTCTCCATGTTGGCCAGGATAGTCTCGATCTCCTGACCTCATGATCCGCCCCGCT
NGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCCCACACCGGGCCAAGTGGCTGAT
GATTTAAGTGATCTGGGCAAGAGGTAGACACACAAATTTTACCAGCTCTTTGGGTAAGT
CTGAGGTTAAAGACTGTTTTCTAAATTAATCATTCTTAAAGTGTGGTCCCTGGTTAGCA
GCATCGCCATCATTTAGGAATAATTANAAGTGAAATTAT

Sequence 3843

CCGGGCAGGTACACAGTGGGCGCTGGGGACCAGGGCCAGAGAGTGGCCACCTGTTAGAGC
TGCATGTGTGTCTTGGGCCTGGTCTTCTTTCTCTGCTCACTAATGACAGCTGTCCAGCC
TCTTGACAGGCTCTGGCCCCACCCTTGCTTGCTGTGATTTTTTTTTTTTCTCACACAT
GATAAGCTGAGGCAGGAGAATCCGCTTGAACCCGGGAGGCGGAGGTTGCAGTGAGCCAAG
ATTACGCCACTGCATTCCAGCCTGGGCGACAGAGCAAGACTCCGTCTCAAAAAAAAAA
AAAAAAAAAAAAAGGTGACAAGCAGAGCAAGCGCATNTAGGTGACACCCGGAGATGGAATC
GGGACGGCAGGATGAGCATGGGTTTGTGGCGANAAAACCCGGGGCAATAATGACATNCAA
TGCAAAATTTGCCAGAGTCAGCAAAAAGCCTATGNGGTANAAATTGCCAAAGAACAGAAAA
AGAGGGAAGGGTCAGCACCTAGTGCAGGCTACTCTGCTACTGACAAGCAGCCCGGCACAT
AAGGAGTGTTTCACTGGAAGTGAA

Table 2

Sequence 3844

TCCACCGCGGTGGCGGCCGAGGTACTTCCTTGGTGGTCCAGATACTCTGGAAGTTGAAAG
TGTGTGTGAATGGTCTCAAGCCATGCGGTGTTGCTTGTGTGGATGGTGACAAGTCCTGCT
GGACGGAGTGGGTGGGTGCTACCTGTGGTTCCATGGCCACCTCATACAGCTTAGGGCAGA
TCCTGACGTGGGTTTATATCAGCATGCCAATGCTAAGAGGAGCCTAAATTTCCATTAGGG
AAGCAGCCAGGTAGGACGAAGTGAGTGAAGAGTGTAAGAAAGCTCCAGGGGTGGGGGAAG
AGGAGTTAAGATCCTCCCCAGGGAAAATGAAACCTCAAGTGCGTGAGGTTAGGAATTTAA
GCAAGCTAGGGAAAAACAGGATAGACAAGAAGTCTCTAGAATTAAGAAGTTGAGTCTACC
CAGCATTAGTATGGGAAATGTTTCTAGTAAATTGGGAGCGAAGAAAGATGCAAGTGATC
AAGATTCCCCCTAATAATCCTTTAGGGTTTATGTTTAAAGATTGGTAAGATAATGAAACA
ACTNAATTCAAAAAGAANGTNTAGATGAATTAAGTTATTGTTGCTTCATTTTGAACNA
AGAACCCAAATCCTNCCANCCAGCCATTTGGTTTGGGCCCAAAAATTTGGGNTCAAGATG
AANNANTGGAAGTCNTTCAACTTTTTA

Sequence 3845

TTTTGGNNAAATNCCANCTCCACCGCGNGGCGGCCGCCCGGGCAGGTACACTGNNCAGG
CAAAGCGTCCGGGCAGCAGTAGGCGGGCGACTCAGATCCCAGCCAGTGGACTTAGCCCCCT
GTTTGCTCCTCCGATAACTGGGGTGACCTTGTTAATATTCACCANCAGCCTCCCCCGTT
GCCCCCTCTGGATCCACTGCTTAAATACGGACGAGGACAGGGCCCTGTCTCCTCAGCTTCA
GGCACCACCNCTGACCTGGGACAGNGAATCGACAATGCCCGTCTTCTGTTCTNGNGGGGC
NANACTCCTGCTTGGCAGGCCCTGTGCCTGCCTGGNACCCTGTCTCCTGGCTGGAGGG
ATCCCCCAAGGGGAAGATGGCCTGCCCAAGAAAGACAGGATTACATTTCCCAACCATG
GATACAGGGATCACCCCAACCTTCAAACAAGGATCAACCCCAACCTGGNCTGGAANNTC
CGCCCTTTCANGCCCTTANACCCGGCNCAGGCGTGGCCACAACCCAGNTCCCAACCAAG
NCACCCAAANATTCTTCTTNTCCCCAAGNGGNAGCCAATCCGGCTTACCAGGCCCTTT
TGGCCAAATGGCTNNCTNCCCCNGGGGGGA

Sequence 3846

GAAATTNCCCTCCACCGCGGTGGNTGCCGCCCGGGCTNGTACTTTTTTTTTTTTTTTT
TTTTTTTGGAGATGGAGTNTCGCTCTGTACCCAGGCTGCAGTGCAGTCCGCAATCGTG
GCTCATANCAACCTCCACCTNCCAGGTTCAAGCAATTCTCCTATNTCAGCCTCCCGAATA
GCAGGGACTACAGACGCTCACCACCACGGNTGGCCAACTTTTTTTTTTTGANACGGAGT
CTCACTNTGTACCCAGGCTGGAGTGAAGNNGCATGATCTTGGTTCACTGCAACCTCCGC
CTCCCAGGCTNAAGCGATTCTCCTGCCTNAGCCTNCCAAATAGCTGGGATTACAGGCATG
CNCCACCATGCCTGGTTAATTTTTTTTATTTTTAGNNGGANACGGGGTTTACCATNTTGGC
CANGCTGGNTTCTTTCTTTTTTTTTTTTNGANACAAACTTTTGCTNTTATTGCCAGGT
TAAAAGTGCAGTGGGAGACAAANCAAGACTTTNTCAAACAAAAACAAAAACNAAACAA
ACCCAACCAAAACAAACNAAAAATAATTACNCCCAAAAAATACCNCNTTGNATTTTTGGG
CCATTTTTNCCAAACTTNAANGNNGGTTAACTTNNTTTGAANTTCCNNAANTTTTTT
TNAGNCNCCGGGGTTTTTTNCCNCAAAAAAAAANTT

Sequence 3847

CCGGNCAGGTACTTTAGGAGACCCANGCGGGCATTATTGCCTGAGGTGAGGAGTTTGAGA
CCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCA
TGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAA
CCCAGGAGGTGGAGGTTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGA
CNAGTAGCNANNACTCCATNTCAAGAATATTANTAACAGAAANGGAATCCAAAGNAAAAG
AAAANAGNCTTATATTGGAACCTCCTCTAAAAAAAAGGAAATTNANAGGAAAGCCCTG
ATGGCCACACCAATCCTAAATTTNGGGCAAGNTCGNATCCAATTTAAGAGGGATATTT
TTATTTGNCATCCACAAAAATAATCTTTACTTCCCCCAAAAAATCAATTAAGAAAGTT
CAAAATAGNCAACCTTTTCTTAATGTGTTTCTAAAAATGTAAATCA

Sequence 3848

Table 2

GAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTTAAAAGCTAAGGATTTTG
GACTATACCCCTTTAAAGTGATACGAAGAGAATGTGACATAGGCAAATGATTAAAGGAAGAT
TAATATAGAAGTTAATGGCCGGATGTGGTGGCTCACGCCTGTGGTCCCAGCACTTTGGGA
GGCCAAGGCCAATGGGTACCTGAGGTCAGGAGTTTGAGACCAGCCTGACCAGCATGGTG
AAACCCCATATCTACTAAAAATACAAAGTTAACTGGGTGTGGTGGCACAAACTCCGTTTT
AAAAAAAAAATTCAGAGTATGTAGACTCTGGAGGAAGTCTGGGTGGGATGTAATGAGGAC
CTGCTAGAATTTGGATCACTTTCAATTGAAGTCAGGGTATTGTGCATAATAGAAAGTATT
GGACTGAGATATTTGGTTACCATGGAGGCCAATGCTTTTTTTCATCTTATTAAATGTGATG
TGACTTTTTCTTTGTACCT

Sequence 3849

TNGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGCGACTTCACTTATGTGC
GTGCTCTTCTGAGGAAGTGGATCGTGCCCTGCGCAAGGTTGTTGGGGAGTTCAAGGATG
CACTGCGCAACTCTGGTGGCGATGGGTGGGCAGATGTCCTTGGAGTTCTACCAGAAGA
AGAAGTCTCGCTGGCCATTCTCAGACGAGTGCATCCCATGGGAAGTGTGGACNNGGTNAAA
GTGCATTGTGGTAGCCCTGGCCNCTNGAATCCAGGGAGCCGGCAGNATCTTGCCGAGGTA
GTAAGGTGGGTGAAGAAAATCTGCGNAGNAAAGATCATCAACATCCTTGGGGAGGTTGA
TTGAATCCGGCCATGNAGNTACCCCTCGGGCCCGCTCTTAGNAACTTAGTTGGGATCCCC
CCGGGCCCTTGCAAGGGAAATTCNAATATTCNAAAGCCTTANTCCGATTACCCGTCCGACC
TTCAAGGGGGGGGGGGCCCCGGGNACCCAAGCCTTTTTTGTTCCTTTAGCTGGAAGG
GGTTAAATTTGCCGCCGCTTTGGGCGTTAAATCATGGGGNCAATTAAGNCTGGTTTTCCC
TGGTGTGGAAAATTGGTTNANTCCGCTTCCACCAAATTTCCNCCACNAANCATTAAC
CGANGCCCGGGGNAGGCCATTAAAAAGTGGTTTAAAAGCCCTTGGGGGGGTTGGCCCN
TTAANTTGAGGTTGAGGNCTTNAACCTCCACCATTTTAAATNTGGCGGNTTTGGCCGG
CCTTCANCTTGNCCCCGCCTTTTTCCCAAATCCCGGGGA

Sequence 3850

AGGTACGCGGGAACATCAAACCTGTTAATCGAATGCAGGCTCCAGGGAGAAGCAACTTCCT
GGGCATGCGTGTTAAGAGACAAAAATGATGACGTTTGATGACCACTCCACCAGAAAAGG
GAAGAAAGCCTGAGGGGCCTACGTGGACCTCCCTAAACACACTGCGCATGCTCCATTCCA
AACGGTATGGTGAGCACTGCGCATGCGGGAAACCCACCCTGTAAGGGAAGAATCCTGGGA
AAGAGGCAAGCCTATGAAGTCCAGGATCAAGGTTAAAGACCCTTTTTTTACTGCTTCT
TGTGCTCTCTTTCTCTCTTGGACCTTCAGGCGCTGCTTGGGTCTCTTCAAGCGAATT
TTGCTTTCTTCTGTTCTAAAGCCTTTTAACTAACTTCCACTCCTGCTCTGAACTTG
CTCTCTTTTCTGCCTTAACGCCCCCTCAGTCGAATCTTCTTCTGAGGAGGCAAGGACT
GAAGTTGCTGTGGACCCATAGGGATTGCGCCATTGGTAA

Sequence 3851

AGGTACCCGCCTTCACTCAGTTTCCCCAATGGTAACATCTCGCAGAACTACTGGGCGCCA
TCACAGCCGGGGTCTGACTGCTCTTGCTCAGGTTTCCCCGGTTTTCCGTATCCTCACGTG
TGTGATTACTTCTGTGCAATTTATCGCAGGCCAAGGCAGGCGGATCACCTGGCCCCA
TCTTTCTACAACCTGGGAAAATTCTGAGTTCTGGAACCATCTGCCAGGGATTGGGGTCA
GAGATGGTGGGCCTTTCTGATCCTGGTCTTTGCCATGGTTATGATTGTGGCATCCCTGCC
TGTCTTCTATCATGTGCCTCANCCTGTTTTTTTTCTTTGCCANGCTGCAAGCCCCGTAT
ATCAGACTAACAGGGAGCACAAACATTTGCACGGTCTTAAANACACTACATTTAGGGGTGA
AATTTTGTCTTCTATCTTCCCCC

Sequence 3852

CCGGGCAGGTACGCGGGGACACTGTTAGTTGCAAACCTGGCACAAAGGTGAATGCGGTTCA
TGAGGCTCGCTTGATTAAGAAGAGCTGAAACAGGAGCAAAGAGCAAAGGCAACCTGCAG
CGAAAGCAAGGACTCAGGGAACCGGCAGACACAAGCAGCCTCTGCAGGTGTGCGAGCAGG
ATTGCTTCTGCAACAAAAGCCTCCACCCAGCCACATCTTGTGAAAAGAATGGCCACTTCT
TGGGGCACAGTCTTTTTCATGCTGGTGGTATCCTGTGTTGCAGCGCTGTCTCCACAGG

Table 2

AACCAGCAGACTTGGTTTGAGGGTATCTTCCTGTCTTCCATGTGCCCCATCAATGTCAGC
GCCAGCACCTTGATGGAATTATGTTTGATGCAGGGAGCACTGGAACCTCGAATTCATGTT
TACACCTTTGTGCAGAAAATGC

Sequence 3853

GTAACGCAGGACCCATGTTCACTGAGAGGTGAGATTTACATTTACATGTAAGACAATTA
GGCCCTATATGGCCAAAGGTGAGGCGCGGCCGGGAGTCACTCCAGTCACATCCTNCATA
GACCAGCNGAACCAGNCCGTGGCCNGNGGTGTCTTATCAGGAGGAAGTTATGGAANGTGA
CGCTGTANTTATGGCCGGNAAATGGGGGGTCAGNTANTGCCTGGCAGNGAGCCATCNCTG
TNTCCATACCGCTTGTCTNAGGCCAGTGCCTGCTTAACTGNTANAGGAAAAAGAAAACCC
ANGCCTNATTCTTTAACTGTAAGGGNGGCGTGACTTAACCCCGGCCTGGC

Sequence 3854

CTCCACCGCGGTGGCGGCCGAGGTACATCAATANNAATAAAATNNTTTTCTATTACT
TNACANCTGGGAATNACTTGCCACAAGAAATGATTTCTATTATGGTCATTGAGATTAC
AAAGAATTAAGCCTATGAAATAAAGCAAACCAATATATTCTNTAGNCATATTTACAGCA
GAATCTCAGNNGGCATTTTTAAATATCCCAAGGAAGAAGAAATTAACCTTNTGAGCATAA
ATGACCATACTTNAGTTGACAGCAGCACTGACATTAATTTGTCCTACACCANAAATGT
GTAGAAAAACCCCAAAAAAGGGTATGGCTTTATTTCTTGCCACCCTGAACCTAATTAANT
CANTTTTAAACCTTTTTTTTAAATTTTA

Sequence 3855

GAAGACCTTGTCCGCACCATTTGNGAGGCGTGTCTCTTCTGGCTGCCGCTCGAGCACCGA
GAGCTCCANGCTCGNCTACTGGCTGAAGAGGGTATGGGCCAGGNCCATGNTGCCGGCNGG
GAAAGTCTCCCCGCGTACCTGCCCC

Sequence 3856

GAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGGCTAACATGG
TGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTA
GTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCNTGAGGTGGAGGTG
CAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCANGGACTCCATCT
CNAATAAAGAAAGAAAGAAACAAAGAAAGANGAGCTTATATNGAACTTCTCTAAAAAA
AGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGCAAGTCCGATCAATTAAG
GATATTTATTTGCATCACAAAATAATTCTTTACTCCCCCCCCAAAAATCAANTAAAAAGT

Sequence 3857

CACCGCGGTGGCGGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAG
GAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAAT
TAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGA
ATCGCTTGAACCCAGGAGGTGGAGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAG
CATGGGCGACAGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAGAA
AAGCTTATATTGAACCTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATC
TAAATTTGGCAAGTCCGATCAATTAAGGATATTTANTTGCATCACAAAATAATTCTTTA
CTCCCCCAAAAAAT

Sequence 3858

AGGTACGTTTTCTGCTTACCTGATAACCACTTGCCAGGTAGNNCTCCACCATCCTTTCTA
CCTTTGTCTTTTCTTCAAAAGGGCAGATTGGNTCCCTGGAAAAAACCCTAGTGGAAGG
TAAGAAGGCATGAGAAGCCAGAGCTGCCCATCCTTCCCACATTCTCATGCCTAGAAGTCA
TTCCATCCTAGCTTGAAATCCGATATGCTCCTACACACTNGGAGAAAAACNACACACACA
AACACTTGCANGGAAAAATGCCATAGTAAGGTCTGTGTGTCAGGCTANGACACAAAAAGNGG
GACTTGGGCCAACTGCCTGTTGGGTAAAGGGGTAATAGTTTTTCAATTTTTCAAGGGAA
ACTTACACCCTGAAAAATGNTGACCTCTCGTCCAGGGTGCCGGTGCCCTTCATGGCCTT
GTAAATCCCCAAGCCACTTTTGG

Table 2

Sequence 3859

GAGCTCCCCGCGGTGGCGGCCGAGGTACCCAACAGAGGTATGCATCAGCAGCAGGCCGGC
GCCCAGGAGGGGCAGCAGCCTCACGCGGGGCTTCTGGTCT

Sequence 3860

CGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGCACAGTGGCTCATGCCTGTAATTCACA
CTTGGGAGGCTGAGGCGGGTGGATCACCTGAGGTCCGGAGTTCGAGACCAGCCTGACCAA
CATGGAGAAACCTGTCTCTACTAAAAATACAAAATTAGCTGGGCGTGGTGGTGACACC
TGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCCTGAACCCGGGAGACAGAG
GTTGTGGTGAGCCGAGATCGTACCACTGCACTCCAGCACTCCAGCCTGGGCAATGACAGC
GAAACTCTGTCTCAAAAATTATATACATATATATTTTTGGCCAGGCGCAGTGGCTCACG
CCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGCAGATCATGAGGTCAGGAGATGGAG
ACCCTCCTGGCTAACACGGTGAAACCCCGTTTCTACTAAAAATACAAAAATTANCCAGG
CGTGTGGCGGGCGCCTGTAGTCCCAGCTACTGGGGAGGCTGAGGCANGANAATGGCGTG
AACCCAGGAGAGGCGGAGCTTGCAATGAGCTTANATCGCGCCACTGCACTCCAACCTGGG
GGACACAGCNAGACTCCGTCTCAAACCCCTAAANAAAAGGCCNAAAANAGTGCCCTGGCCC
GCTTNTAAAACTTAGTGGATCCCCNNGGCTGCAGGGAATTCAAATTCAAAGCTTTATGG
GATCCCGNCCGACCTTTNAGGGGGGGG

Sequence 3861

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAACATCAAACCTGT
TAATCGAATGCAGGCTCCAGGGAGAAGCAACTTCCTGGGCATGCGTGTTAAGAGACAAAA
AATGATGACGTTTGATGACCACTCCACCAGAAAAGGGAAGAAAGCCTGAGGGGCCTACGT
GGACCTCCCTAAACACACTGCGCATGCTCCATTCAAACGGTATGGCGAGCACTGCGCAT
GCGGGAACCCACCCTGTAAGGGAAGAACTCTGGGAAAGAGGCAAGCCTATGAAGTCCCA
GGATCAAGGTTAAAGACCCTTTTTTTACTGTCTTCTTGTGCTCTCTTTCTCTCTTGA
CCTTCAGGCGCCTGCTTGGGTCTCTTCAAGCGAATTTGCTTTCTTCTGTTCTAAAG
CCTTTAACTAACTTCCACTCCTGCTCTGAACTTGCTCTCTTTTCTGCCTTAACGCC
CCTCAGTCGAATTTCTTCTGAGGAGGCAAGGACTGAAGTTGCTGTGGACCCATAGGG
ATT

Sequence 3862

CCGGGCAGGTACGCGGGGGCCATTCCGCTACTGCGCAAAGATGGTGGAGGAGGAGAACAT
CCGCGTGTTGTTGTGGCGGCAGCGAGTTGAACCTTAGGAGAGCTGTGTTCTCTGCAGA
TTCTAAGTATATCTTCTGTGTCTCTGGAGACTTTGTTAAAGTTTACAGCACAGTTACAGA
AGAGTGTGTACCT

Sequence 3863

CCTTTGAANCCCCCNNTTNGGAAAATTCCNGCTCACCGNNGGNGGCNCCGACTTTCCC
CCACACCATTTTGCCGAGCCGCANACTCACGGNNGGNNGGGGCCNCCCAANNANAAAA
CTTTNTNTTTTT

Sequence 3864

CCGGGCAGGTACGCGGGCTGTCATTCAATTTACCCATGCAGAAAAAATGGTAACCTGAAGA
GAGTGGCATGTGCCTGCTGCCCTTAGAGGTTATAGAATCCCCACAGTCAACAAAAAGCCT
CTAGAGACATGACTGTTGCCATGGAAACCAGAGAAAATGTGTCTTCTCATCCCTCATTTG
TAAATGAGGGGGTGGAGCAGATCATCTGTCTCTAAGGTCTTTTTCAGTGCTAAAATGTGG
TGATTCTTTGGGAAAACTTTTGCATCAAGTATGATTAAATATTCTGAAAGACGAGTGT
AGCTTAAAAATTTGTTTTGTTTTAAATTCTGTTTCATGGGTCTTCTTAAATGGACCTTG
CCGAAAGGCGGCCTGTGACGGCCTCAGGTGGGAAGATGGATGTCCTTCAAGGGTGTGGC
TGGCAGTGGGGTTTGCA

Sequence 3865

AGGTACTGCTGCAGAGAAAAAGCATCCATGTCAAAAAGTAAAAATTCTATTCTACCTTG
CTCCGTTCCAGGCCTTGCTTACCTTCCTGAACTTTTTATATTCCTGGATTATCTTG

Table 2

CTTCCAGGACCTTGATTCTGGAGTTCCTCGCCGAACCTCTTTAATCTCTGCTCCCAGCT
CTATGAACCTTTGGCTTGCAGTCCCAACACGGGCATGCAGGATGCGGTATTCAGCATAAT
CTGTCTCAAAGTCTGCTCATAGGCATGTTGCTGTTCTGCACTGNGGATGGCCCTGTATT
GCAGGAGGTAGTCTGGTATATCTTCAGGACTTGGGGATTGAGAATCTTCTTGAAGTGAAG
AACTGTGTTCTAATCTGGGGTCCATGTCCTCATCTTCTTGCTCCCAATCTTCTCCCTCTT
GTAAATNCTGATTGGTCAGGCCTTGTTANGGGGCTTGG

Sequence 3866

TGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTCTTTTTTTTTTTTTTTTTTTTTTTTT
TTCTTTGTTTNGANAGACGAGTCTTGCTGTCACTCAGGCTGGAGNGCAGNGATGCAA
TCTTGGCNCACCTGCAACATCCGNTCCAGGTTTAACTGATTNTCCTGCCTCAGCCTCCC
AAGTNGNTGGGATTATAGGAGTGCNCCACCNCACCCGGNTAATTTTTGATTTTANANAAN
AAACAGGGTTTTGCCACGTTANACAGGCTGGTCTTGAAGTCTGACCTCAGGNGATNTGC
CCACCTAGGCCTTCCAAAGTGTGGGATTACAGGCGTGAGCCACATGCCTAACCCATGTG
AGTTTTNTTNGGAANATCAAGTTCATAAATACTCCNGAAAAATTTTAAAAGTAACTCAA
AATNTAAATNTCTAACTCTACCCTTTGGACCAACCCAAAAATNTTACATATGGTATTCTA
TATGGCCTATTCTCTAAACNTTTAAAGACAATNTTGTNTTNCAGNCTTNTCCAAGGGAA
ATATGCCTATCAATCTTTAGCATTTTACGGGACATATTGATTCTTNTCTCAAAAATCCT
GGNGCACACTGACCTTTTTTAATTTTCTNTTTTTGGGGCAANGAGGGGGTTTTTANAAA
ACCANGATTGNGTGTANCCCTCCCCCGGGGGGGGGCGCTTTTAAAACTAAGNGGATNCC
CCCCGGGCTGNGAGGGAATTCGANTTTTNAAGCTTTANCNAANACCGCCCGACCCCCCA
GGGGG

Sequence 3867

TATAGGTGCAATTGGAGCTCCCCGCGGTGGTGCAGCGGCCCGCCGGGCAGGTACGCGGGA
AGGAGGGCTGTGTGGAGAAGATTGGGGGCTGGCTGAGGAAAAATGTGCTGGTGGTAGCTG
CAGCAGCCCTTGGAATTGCTTTTGTGAGGTTTTGGGAATTGTCTTTGCCTGCTGCCTCG
TGAAGAGTATCAGAAGTGGCTACGAGGTGATGTAGGGGTCTGGTCTCCTCAGCCTCCTCA
TCTGGGGGAGTGGAATAGTATCCTCCAGGTTTTTCAATTAACGGATTATTTTTTCAGAC
CAAAAAAAAAAAAAAAAAAAAAANGTTCAAATAGCAACTTTTCTAATGTGTTTAAATG
TAATCACCAATACATGTGTCCCAACTTCTTTCCAGTTATAATTCTATTGTGTAAAGTG
AGGTATACCTGAAGTGAGGCAATAANAGAGTTGAGCTTCANACCTGCCTGAAAAGAGCGT
GTTCTTTCTTAANAGTCTGAGGGAAATGGTTGGGGGCACAAAATCTCTCAATCTTTTTT
TTTTCCCTCATCTGAGCTCTTATTTTCTTGNCTCAACTGCTTCTGGTAACTTTGTTT
ACCTGGTACCT

Sequence 3868

AGGTACGCGGGGATTTTTTTTTTAACTGTGCTATGGAGTAGAAGCAGGAGGTTTTCAACCT
AATCACANAACANACCTACCCCTCCTCTTTCCACACCTGCAAACTCTTTACTTGGG
CTGAATATTTAGTGAATTACATCTCANCTTTGAGGGCTCCTGTGGCAAAATCCCGGATT
AAAAGGTTCCCTGGTTGTGAAAATACATGAGATAAATCATGAAGGCCACTATCATCCTCC
TTCTGCTTGACACAAGTTTCTGGGCTGGACCGTTTCAACAGAAGAGGCTTATTTTGGACT
TTATGCTAGAAAGAATGAGGCTTTNTGGGGATAAGGCCCAAGNTCCCTGGATGGACCG
CCGACTTTTCAAGCCCTCCCTAAGGCCCAATGGTGGCCCTTTCCCGCTTGTCATGCG
ATCTTTTCAAGTGGGTCCAAGTGGTCTNGAATTTGGGGCTTG

Sequence 3869

CCGGGCAGGTACATTCTTAATTATGCAGAACGTAAAGTCTGAATGCAAAAACCTTTGCAG
GAGATGGAGTTGTAGAGATTAAGATGGCGAGTAGGAGGCAGGACTAGCTTGCAGCTCCTG
CTCAGACAGACAGAGTAGCATGTGAAGACTCACATCATGAACCTTTTGTCCAAGAAATAC
CGCAGGAACATACCANGAAAGGCGAGAGAATCCACAGACCCTTTGAAGGAAGTGGATTGC
TGCCGCAAGCTCCCTGAGATGCCAAAAAACTGAGTCAGCTTGTCTTCTCAGGTGGTGGTC
TGGGGCAAGTTCTTCAGCCCTGGTCACAGGCTGCCTGGAAATAGACTCCATGCTGTTGGT

Table 2

CGGGCATGGC

Sequence 3870

CGGGGTGGCGGCCGGCTAAAAATTTTTGTATTTTAGTANAGATGGGGTTTCATCANGT
TGGCCAGGCTGGTCTGGCACTCCTGACCTNAGGTGATCCACCCGCCTCNGCCTCCCAAAG
TGCTGGGGTTACAGGCGTGAGCCACCGNGCCCAGACTCAAATCACATTTTTAATGATGT
TGCAAACCGAATGTGATTTTCTCGNATGTGATNCTCAGTTACAGAACTTACAGANCTT
TGCTTATCAACCCTAGACAATAAAACTATTCTACCTAGAGGCNTCTAGGANAGCTTTNN
CTTTACTCCACTTGTACCCTCGGGCCCCGCTCTAGAACTANGTGGGATCCCCCNGGGC
CTTGGCAAAGGAAATTCNANTGATTCAAAGCCTTTAATNCGGAATAAACCCGGNGCGGA
CNCCTNCNNANNGGGGGGGGGGGG

Sequence 3871

AGGGGGGGGGGGGGGGGNGGAACTACAACANATATCTTANAAATTCACNCAANGGGCT
NACTNTCATTCCAAACTTTAACTTTTAATAANCATCCATCACATGATCTGTTTTACC
ACTTCACNTNAAAGACACCATTATATACCCAAGGGCAGAAAGTAGAACTTACTATTAT
TAAA

Sequence 3872

AGGTACTTTTTTTTTTTTTTTTTTGGTTTGAGACGGAGTCTCGCTGTGTCCCCCAGGT
TGGAGTGCANTGGCACNANCTCAGCTCACTGCAAGCTCCGCCTNTCCTGTGTTNACGCCA
TTCTNCTGCCTNAGCCTCCCCAGNANCTGGGACTACAGGCGCCCGCCAACACGCCTGGCT
TAATTTTTGTATTTTAGNAGAAACGGGGTTTCACCGGGTNAGCCANGAGGGNCTCCAT
NTCCTGACCTNATGAANNGCCTGGCTTCGGNCTCCCAAAGTGCTGGGATTACAAGGCGG
TGANGCCACTTGCGCCNNGGCCAAAAAAATATAATTTGTNTATAAANTTTTTGGAGAC
NAGAAGTTTTCNCTNNGGCCATTNGCCCCAAAGCCTGGGAATTGCTGGGAAATTCCAAAT
GGCCCCCAANTT

Sequence 3873

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGGGACGGAGTCTCGCTCTGTCTG
CCAGGCTGGAGTGCAGTGGTGCCATCTCGGCTCACCGTAACCTCCGCCTCCCGGGTTCAA
GCAATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGACTATAGGCGTGCGCCACCATGCC
AGCTTAGTAGAGATGGGGTTTCACCATGTTGGCCAGGATGGTCTCAATCTCCTGACCTCA
TGATCTGCTCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCTG
GACACATACATTCTTATAAGGAAACATACCCACNCATATAAAACGTTTTGAGAAGTGGA
AGAGCATGGTTCTGAGTCAGCNTGNGTGTATCTCTAACCTCCCAATTCCTAATCTTAA
AATGAAAATTCAT

Sequence 3874

CCGGGCAGGTACTTTGAATTTCTACTTCATGCCATGCAAAATTACTTTACCCCTTTTAA
CTCAGTTTTCTTCTGTGTGAAACAGGAACAATAGTTTCATTTCGTCATTTCAGTTTCTCTCA
AGATTTACGAGATCATACCTATAAAACATCCAAGTCATTTAAATGTATCATCATTTCTG
TCATAATTAGTGGGATCCATTTCACTATTACCCCGTACCGACACCATCTTGATTTGTATC
AGTTCACCCGTGTGGCAAGGCCTGGGAGCCTGGAGGCCAATGCTGCTGGGAGGGGCAGG
GGATGGAGGGTCCAGTGACCACAGAGCCTTCTTGCAAAGTTTCCAGGAGGGTCTGCAAAC
TAGACGAGAGCAGCGCACGTCTGCACACGTGAATCAAGGTCTGGGGTGGTTGTCACCTTG
TACCTCGGCCGCTCTAAN

Sequence 3875

CCGGGCAGGTACAGTGTGATGTTTTGATACATGTATACATTGCGTAATAACCGAACCAGG
GTAATTAGCATATCCATCACCTCAAATATGTGTCAATTTCTTGTGTTGAGAACTTTCAA
ATCCTCTCTTCTAGCTATTTCAAATATATGCAATAGGTTATTGTTAACTCTAGTACCC
TACTATGCAATAAAACATTAGCACTATTTAATGTGAAGTTTTTAATACAAAATTTT
TAAGAAAATAAGCACAGGCTGGGCGCCGTGGCTCACGCCTGTAATCCCAGCACTTTGGGA
GGCCCCGAGGCGGGTGGATCACCTGAGGTGAGAGTTCTAGACGAAGCCTAACCAACATTG

Table 2

GGGAAACCCCGTCTCTACTGAAAATACAAATTTAGCCAGGGGTGGTGGTGGGCACCTGTA
ATNCCCAGCTCTTGGGAGGCTGAGGCAAGGAGAATTTGCTTTGAATCTNANAGGTGGAAN
GTTTGCANTNNAACCCGAANAATCGNGCCCATTTGGCACTTCCAGCCCTNNGGGGAACCA
AGAACCAAAAANTTTCATTCTCNTTTNTAAAAANNAGGAAATAATGGAAATGNAAAAGG
GGGATTTTCCCCCCC

Sequence 3876

CCGGGCAGGTACCCTACTCCAGGCCCTGGCTCCCAAGTGGCATCTCTGAACCTGGCCAGG
ACCAGGGTTGGGGGTGGGGGAGATTATCGCCCTGAAGGGAAAGACAATACTGGCTGGA
TTTGCTACATGCTGATAGCAGAGTCCATGGGCCTTAAGGGAATACAGGCAGTAGCCAGGC
AGTGACCACCACAGGTCTTGGGCAAAACCCAGTGCTGTTCTGGTTCAAGTCTGATTCACT
GCAATACCAACGGTGGTGGCCACAGAGTGCCTGTGTACCTCTCTCCAGCTCTAGGCCA
GCTCAGCAAAGAGAGAGAGACTCACTTTATTTGTGGGAAAGTAAGGAAAGAGAACAAGAG
TCTCTGGTAATCCATGGAATTCATCCATATCTTACCACCAAGACCACCAAGGTGGAACAA
ATACAGGTCTGCAAGAGCCACAGCATTACTGGGCCTGGGGTGCCCC

Sequence 3877

CCGGGCAGGTACGGATCCTCCGCATATTATCTCAACAGAGGACAGTAGCTCAGGAGGCAG
CTTCAAACGGTGACCTGTGGCCTGGGCCATCTCTTCGTCATGTGCTTCACTTTTCCCTGT
TTCCCTGTGAACTGGCTTCCATGGTTCTGTAGGGTAGTGAGTCGGGGTTGTGGCTGCAGC
AGAGCAGGAGATGCTTGCCGAGTGGGAGCAACCCACCCCGTGTCCCCAATGCCTCACT
CCTGGCTTCTAGTGCAGCCCTTTGTAGACTCACCTCGCAAGAAGGAAGATCTGCCTGGAG
ACCTGATCCCAGTCCAGCTTTTTGACCATAGGTATCTTTGTCCCCTTGCTCCTTTGCAT
CATGTCATAAAATTTGAGGATATCAACTGATTATTTTTTCTTCCAAGAATGAAATCAAG
CAGAA

Sequence 3878

AGGTACAGAGCATAGTGAAGCATGATGGGTGGTAGTATTAGGAGAAAAACATCAGTCAAA
TTAAATTTAGCAGAGTTTATTTGAGCAAAGAAGTGAATCATGAATCGGACAACCTCCCTAA
ACCAGGAGAGACACCACACGGCAGTATGGGCAAGCAGTATTCACAGGCAGAAAAAGGAGG
TGACATACAGAAACAGCCTGGCTGGCCACAGATCACAGCTTGCCCTACTTGGTCACAGTC
TGAGGAGCTAGCAGCCTGTGGTGGACTGAAAGCCCAGCTGCTCTGATTAGCCAACATTTG
GCTACTTGTGCGAAGAATCTATTATCTGGGCCGGGTGCAGTGGCTCACGCCTGTNATCC
CAGCACTTTGGGAGGCCAAGGCGGTGGATCGCCTGAGGTGCGGAGTTTGAGACCAGCCCT
CGCCATCATGGGGAACTGTGTCTCTTATTAATAAATACAAAAATTAGCTGGGCATGGTGG
TGTGTGCCCTGTAGTCCCCAGCTTCCCCGGGAAGGCTGAAGCAGGAAATCACTTTGAAT
NCAAGGAAGCGAAAGTTGCAGTGAGCCAAAAATGTGCCACTTGCACTTCCAACCTTGGGG
CGAACAGAAGCAAGGAGTTCCATTCCCAAAAAAAAAAAAAAAAAAAAAA

Sequence 3879

AGGTACTCATGCCGATTCATCACCTCCACGATGTTGATGATCTTCTCGCAGAGTTTCTCA
CCCACCTTCTCCCGGCAGATCTGCCGCTCCTGCTCCGTGGCCAGGGCTACCACATGCACC
TTGACCGTCCACACTTCCCATGGGATGCACTCGTCTGAGAATGGCCAGCGAGACTTCTTC
TTCTGGTAGAACTCCAAGGACATCTGCCCCAGCCCATCGCCACCAGAGTTGCGCAGTGCA
TCCTTGAATCCCCAACACCTTGCAGAGGACGATCCAGTTCTCAGAAGAGACACGC
ACATAAGTGAAGTCGCCCGCTACCTGCCCC

Sequence 3880

CNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGTGGTTGGGTGGTAAGAT
GGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACT

Sequence 3881

CCGGGCAGGTACTTT
TT
TTTNNANGGGAAAAAAAAAAAAAAAAANTTTTTTTTTTAAAAAAAAAAAAAAAAACAANC

Table 2

ANCNTTNTNTNTTAAAAAAGGGNCCCCCANNNGNNNNNTNTAAA
AAAAAANCAACCNCNNNTAAAAAACNNCNCNAAAAAGGATTCCAAAA
AAAAACCANTNCNANGGGGGATANAANAAAAAATTTNTTTNNAACNAAA
ACGGANGAAGGCNANCANNCNAAANAGGNGANAGGANNCGAGANCAANCNTNCCNCCCC
CCCAANACCNAANAAAAAACNCCCCCCCCNCAAAATCANANANAAAAA
ANNGGGGGNGGNGGNGGNNCCCCACCCNNTNTTAAACCNNANAAAAANNGGAAA
AAAAAANNNNNANTGAACTTTNCNTTTTNTNNNCNAGTGNGG
GGAAANNAACCCCCNCCCCNCAAAAAAANCCNACCCCCCNCNG
GNNGGGNAANAAAAAATNTAATTTTTTNCNCCCCCCCCCN

Sequence 3882

CCGGGCAGGTACCACCACACCTGGCTAATTTGGTATTTTAGCAGAGACGGTGTTTCACC
GTGTTGGCTAGGCTGGTGTCAAATTCCTGACCTCAGGTGATCCACCGGCCTCAGCCTCCC
AAAGTGCTGGGATTTCAAGGTGTGAGCCACCATGCTTTAAAAATTACTATTTGAATAATGC
TTCTGATAATTTTCTTTTTTTCTTGANAATCGCTGAACCCGGGAGGCGGAGGTTGC
AGTGAGCCGANATGGCACCATTGTCTCTAGCTTGGGTGACNAGCAAACTCCATCTCAA
AAAAAANGTTTANNTTTNCNTTTGTNCCCNAAACCTNTTTTNNGGGTTTNTTNA
NAANTNAGGCAANGGNAACCTTTNCCNTAGGANNTNNNTCTNAAAAAATTTNAAANNNC
GGNANCCTCCTTTAAGGGCNGCTTTTANTTTTTNGCCTTGAACAAATNCCTTTTTTAAN
TTTTNNGTTTTNTAAAAAATTTGGACAAATGNTTCACCATNTCCTAAATNTAAC
GTTTTTGTCTGTAANGGGAACTTTTGGGACTGTTGGGGAATTTTAGGGAAAAAATT
CNNNGTTTTAANATTCAAGCCTTTTNNTTTCCGGGTTTTANAATTNAACCCCCNGTTT
TGGAATTTAAAAAATTNCTNGAATTNGGNANNTTTTTAAATNCANGGGGGGGGTT
TTNNTTGGGGGGGGGGNGCCAAAAGGGGANAGGGAATTTTAAACNTTTTTTTTT

Sequence 3883

CCGGGCAGGTACGCGGGGGGCACCAGCTGGGTTCTCCAGGGAGCAGGAGTTGGACCTCCA
TGGAGCCACTAGGCCTGGCCTCCTCTACACATCCCCAGGGCTATCTGGTTAATTCATCA
AGCTCAGAGTTAAAAAGCATATCAGCCTGGAGTATTTGGGAGAGACTGGCTGCAGATCCC
CGCCAGCCAAGATGCAAGCCACTCGGGACCTGATGTGCGCAGCTGTGCCTCTACTGCCCT
GAGGACTTACCAGAGGGAGCCCTACTGGCCTTCCCCACCACAGCAGCCCTGCCT

Sequence 3884

AGGTACAGGAAGCATGGCTAGGGAGGCCTCAGGAACTTACAATCATGGCAGAAGGCGAA
GGGGAAGCGTGTATGTCTACATGTTGGAGCAGGAGGAAGAGAGTGAAGGGGAAGGCGC
CACACACTTTTAAACAGCCAAGGCTAATGAGAATTCACCTACCATCATGAGAACAGCAA
GGGAAAATCCGCTCTCATGACCCAGTCGCCTTCCACCAGGCCCCCTCCTCAACACTGGGG
ATTACGATTCGTCATGAGATTTGGGTGGGGACACAAAGCCAAACCGTATCAGGCTGTTTT
CCCTGCTGTCAAACCTCAATCCTGACCTATGACCCTTANCTGTCTCCAGGAGGTCTTCACT
AGCACTCCCGTCATCGTATTAATCTGGCAGGATAATTGTAGTTACCTAAAACTGAAGCA
TTGTGCGCCTCAATCTTGTGCNAAAAAGAAATGCTGATTTTTTTTT

Sequence 3885

CNAATTGGAGCTCCCCGCGGTGGCGGCCGGGTGCAGTGGCTCATGCCTGTAATCCCAGGA
CTTTGGGAGGCCAAGGCGGGCGGATCAGAGGTCAGATCGAGACCATCCTGCCAACACGG
TGAAACCGTCTCTACAAAAAANTNCCNCCNCCNCCNTTAAAAA
TNNGGNNCCCCNCGNNNNNNNAANTTTNNNTNNAACNTTTTNNATCCCCNCCNCCNNGG
GGGGGGNCCCNCCCCCNNTTTTTTNCCTTTNNAANNGGNTNAANTNCCCTTGGNNA
AAAAAGGNAAAAANTTTTTCTGAANNTAAAAATAAANAACACNTTANATGTTACTG
TGTGAANAATAATGCCTTGTNTGGTGTNNATACNNGTGTNAAAAAT

Sequence 3886

CNAATTGGAGCTCCCCGCGGTGGCGGCCGACGTNCCTGNGCNANCTGATGGCTCNCANCN
AGNNGGGCACACACTCNCNTGGCCTTNNNATTNTGNNCNGTNANANANAAGGTAATGTNTA

Table 2

CNTTCCCNAATAATTCATAATANNCANGGNNTATNNTTAACATNTTTNTTGAATGTNTNT
TTNCCAACAAAAGACATTTNCTCATCTATTGTTTAAATTAATAATCCCAGGCTCTNCTTT
GACCTGAAGTATTTTATCTATCCTCAGTCTCAGGACACTGTTGATGGAA

Sequence 3887

GATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTAAGTACCTAGAAAGTCCCCCTACCCAC
ACACACAGACAGTAGCCACCTAGAAATATCCCTGCATAGGGTCATTATTGTGTCAAAAGA
GAGAGAGGGACAAAGTTACTATTATGGGTTGGACTGTGTCTCTTAAATTCATATGTTA
AAGTCCTAACCCCGAGGACCTCAGAATGTGACCTAATTTGGAAATAGGTTTGTTCGAGAT
ATAACTAGTTAAGATAAGGTCATCAAGGAGTAGGGTAGACCTCCAACATGACTGGTATCC
TTATAAAAAGGAAAAATGTGGACACAGAAACGCACACAGGGAGAATGCCACATGCCGA
TGAAGGCAGAAATTGGGGTATTGTTTCTATAAGCCAAGGAATGCCAAAT

Sequence 3888

NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCNNGGAGAAGAGGTGGGGACCNCAAT
ANNGGTCACCTGGACCNNAACATGTGACCTGCANATCTGGCATCAGCANGCTCATNAGT
TCAATGTANACTCCACCTCTTAAAACTCGTGATTTCTAGCNTATTGACTTCACCCCTG
TNTCAGGGNTTTAACAAAATCNTAGCCNTNCNTCNCNTCAGGCCTGTAATCTCACCCTT
TGGGAGGCCGATGCGGATGGAAGGTTTGAGGCCAGGAGTTCAAGACCAGCCAGGGCAACA
TGGTGAGACCTCATCTCTACAAAACGAAAAATAAAAACTTTTAAAAAATGTTNNAAA
AAAAAAAAAAAAAAAAAAAAAAAAANATNTCCNTNCNNGGGGGGNGT

Sequence 3889

GNAGCTCCACCGCGGTGGCGGCCGATGTACAANNAANNATNCCNNNGCTGCAANANTT
CTATNNNNNCTNATNGATNNCGTNCNCNTNTANGGGGGGCGNNTGTNCNCATNNNTNNTT
NNCTTTNCNNANGNNANATNGATCNCNNGNNAANNNNNNGGNATACNNNTNCNNTGTTG
GCTGCAAGAGCCTCGATGTAGCCGCCAGCGCCAAGGCAGGCGCGCTGAGCCCCACCAGC
AGCANAAGCCCCGCGTACCTGCCCCG

Sequence 3890

CCGGGCAGGTACGCGGGGGCCCTTGCTCACTAGAAGGAGCCCCCTGACCCCTTCTTCCAA
AAATACTTTTTGTCTTTGTCTTCGTTTCTGCATTATCCCCCTTCGTTCACTCCCATAAC
AACCAACAGCGACAACCTGGCACCTAGGACAGGGACGTGAGTGAAGGTCTGCTGGAGCAGA
GAACTGACACTGACAAGAAGAACGAGAATGAGAAACCCTGCGACGAGTCTGCTGACAGC
TGATATAAGTCTGCAAAATCAGCTGGACCACCAAACGGCAATTGAGAGCTGCACAACCTG
CAATTACCTTTATTCAATTAATGCAAAAACAAAAATGGGGAGATGTTACAGGCCGAAAGA
ATGAAGGTCGTGACCAACTCAGTATACCACTGAAGGCTATATGAGCAAAACAGAAAACCTGT
TCTCATGAAAGCAGGATGTTGGAAAACAACTGTGTCTTGCGCCAGAANGGTTTGCT
GAAGGCAGTCATGCCCCAAGCGCAGTGTTCCTTTGTGATTATCTATAGTAACATCTTGAA
GCCTGTTGTACCTCGGCCGCTTTTAAACTAGTGGATCCCCCGGCTGCAGGAATTTTCGAT
TTTCAAGCTTATCGATTACCCGCCAACCTCNANGGGGGGG

Sequence 3891

CCGGGCAGGTACGCGGGATCCAGAAGGAGTCGACCCTGCACCTGGTCCTGCGTCTGAGAG
GTGGTATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCTGGAAGTGGAGC
CCAGTGACACCATCGAAAATGTGAAGGCCAAGATCCAGGATAAAGAAGGCATCCCTCCCCG
ACCAGCAGAGGCTCATCTTTGCAGGCAAGCAGCTGGAAGATGGCCGCACTCTTTCTGACT
ACAACATCCAGAAGGAGTCGACCCTGCACCTGGTCCCGCGTCTGAGAGGTGGTATGCAGA
TCTTCGTGAAGACCCTGACCGGCAAGACCATCACTCTGGAGGTGGAGCCAGTGACACCA
TCGAAAATGTGAAGGCCAAGATCCAAGATAAAGAAGGCATCCCCCCCCGACCAGCAGAGGC
TTATCTTTTGCAGGCAAAGCAGCTTGGAATAATGGCCCGCACTTTTTTTGACTACNACATT
CCANAAAGAGTTCGACCCTGCACCCTGGTCCTTGCCCTTGANGGGTGGCTTGTTAATTCT
TCANTCATTGGCATTTCCTCAATGGCCCAAGTGGATGGCATTACTTTTGCCCTTNTACCCT
TTTGCCCCAACNTAAANTTTANAAAATTACAAGTTTCANTAATNANCTTGAAACCTTTCN

Table 2

AAAAAGTTAATAAAAGGTTTCGTTTGCCTGGNNNNAAACCCCNNNNNNAAAAAAAAAAAA
ANAAAAAAAAAANCCNCCCGCCCCCTTTAAAAAANTTNGNGTCCCCCGGGGGGGG
GGGAAATTTNTTTTNNNNNTTTTTTTNCCCCCCC

Sequence 3892

AGGTACTTCTTGTTAGATTAATTAATACCAATTATCAGTATAAGAAAATGGCAATAAAT
TGTCAAAGTGGAATTGGAAAGTGTTTTAGGATTTGGATATGAAGCAGGCTTCCCATGTG
ACCATTCCTCACTTCTTATTCTGAAGCTAACACTCTGCTTTTCTTCTCTCCCTCTCTTC
ATTGATTCTTCTAGTGGCTGGTGTGGGTATTGTGGGAACGAGCTTTCATCTCCTATG
TTAGCCATAGAGATGAAGGCTTTGAGGGCACCATGGAATCCGATTGCTGGAAATAAATCA
ATCTTAAAGGAAAGGAAAAATTTAAAAATCAGGTGCAACAAAAGCAAAATGAGAAAACGTC
TAAACTCTACAATTCTATAAGAAGAATTGCATAAAAAGGAAATAACAGGAAAAGGTAAG
AAAATTTAAAAGGATATCAGAAAATATAGCATACAGGGTCAGAAAGATTGAGAATATGA
CGAGATGGTTTTAGAANGCAGGATGGGGCCCGGCACNGTGGCTCATGCCTATNATNCCAC
ACTTTTGGGAAGCTGAGCANACCGATCACGAGGCAGGAGATCGAGACCATNCTGGCTTAC
ACNGGGNAACCCCGGCTCTTCTTAAATNCAAAAAAAAAAAAAAAAAAATT

Sequence 3893

GAATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTCCCTGTGGCACGTTACCATGGA
AGCCGCTCCAGGGTGGGTGAGGGTGCAAGCTGCTGGTGAGGTTTGAAGCATCAGGCTCA
CGGGTGTTTCATGTGTGTTCTGCGTGTGTGTGCGTACCTGCCCC

Sequence 3894

AATTCGACGCTCAAGTTCAAGAGGTTGGCCGAAAACCCGACAGGGACTATTAAAGGATAC
CCAGGCCGTTTTCCCCCTGGGAAAGCTNCCCTCGNGGCGCCTCTCCTGTTNCGGACCCC
TGGCCGGCTTACCCGGNTACCTGGNCCCGGCTTTTCTTCTCTTCGGGGAA

Sequence 3895

GAGACANGAGGGACAGGGAGGCTTCGCGGAACCCTACGCCCACCCGACGCGTTCGCCCGT
CCGTTTTNTATTNTGATTTTTATTTTGGTTTTTTGNTGTTGTTCTCTTCTTTTGCTTTT
TTTNCNTTAGACACGGNGNCNNCTNTGAGTGNCCTCTNGTCTCGAGTCCCCGGGCTCAA
GCAATNCTNCCGACTCANCCTTCGNAANATGTGGGACTACAGGCNCGCATNNTCGCNCCN
GGCCNANNCCNGTNTNNATCCNTTNCCTTAAATNAGCAAAAGTNGGTGTCTTTTCTCTG
GCAGATGGACCCTCCCTTGANCAGNGGNGNAAAAAGGANGACAGACACANGGGAGGATA
AGCACCTGCACCGCANCCTNAAAGGCNAGANATTNGGAATGACACCCTTNTGCAAGGCC
AANGGAAACACCGGNGCCATTTGGNTTGGGGAACCNACCCGGGAAGAAAAGCCCAGAANG
ACCAGGCCTTGGGAGCCTGGGCTTTTNCCTTCAAGCCCCCAGGAAAGGGAACCCAC
CCCTGGGGGCCNCCCTTGATTTCCGGACTTTTGGGCCCTTCCANAACGAGGANA
AAAAATCTNNTGGNTGCTTTTAAAAAAAAAAAAAAAAAAAAANGTTCCCTCNGGGC
CCCTNTAAAAACTAGGGGGATCCCCCGGGCTTGANGGAATTTNAATTTTAAGCTTTNT
TGATCCCGNCGACCTNNGNGGGGGGGG

Sequence 3896

AGGTACTGTNAATGTCACTGTATATACTCTTTATTTTACGCTTTGTCTCATATCCAAAT
CAACAAAAAAGGATGTCTTCAGAAATGTAGAATTGTGCAGTTTGGTGCTGTGCCACAC
CACTCTAAAATTAATGATTAATTGAATCATTTGAGGTGCTCAAATTAACTAATTTGGC
ATTGTGTGGGTGACAACCAAGTGAATGTTTTCTTTTATCAAGCTATGTGGGCCCATAT
TTTTGGAGACAGCCAGAAGTCTTCTGGTCTCTTTTCTACCCTGGTAATTCTATTCCAAG
GNGCCTAAGAACTGGGGAAAGTCCCANCTTGGGGTAATGTAGGTGAGGACCCTGTCTCTA
CAAAAAAGGTAAAAAATTAAGCCCAGGTGCCAGTNGGCCACACCGCCCTGGAGGCCCCC
AGCTACTTTGGGGAAGGGCTTGAGGTTTGGGAGGGATCACTTTTNAAGCCTGGGGAAGTTT
TGANGGCTTGTAANTGGAAGCCTGCGNANTTTGCACCCACTGCCACTTTCAAGCCCTGGG
GCCACCTNGGANGGGGAGGAACCCGATTCCCCAAAAATNNAGNNTATTATGNTNCANTT
NACAAANANTNAGGNNCCCTGGCCCCCGGGGCCGGGGCCGNCCTTNTAAGAAACCTAA

Table 2

GGGGGGATTCCCCCGGGCCTGGCAAGGGAAATTCGANTNTCAAAGCCTTNATTGCGN
ATAACCCCGNNNGACCCCTCGNNGGGGGGGGGGCCCC

Sequence 3897

GCCGGGGGAGAGGCCGGTTTGCCGTATTGGGCCGCTCTTCCCGCTTCTCGCTCACTGAC
TCCGCCTGCCGCTCGGTTCCGTTTCGGCCTGCGGCCGAAGCGGGTATTCAAGCTTCACTC
AAAAGGGCGGTAANACCGGTTTAATCCACAAGNAATCAGGGGGGGGATAACCGCCAGGGAA
AAGAAACATGTGGAGCAAAAAGGCCCAAGCCAAAAAGGGCCAGGGAACCCGTAAAAAGG
CCCCGGTTGCTGGCCGTTTTTCCCATAGGCCTCCCGCCCCCCCCCTTGACCGAGCCAT
TCA

Sequence 3898

CCGGGCAGGTACGCGGGGAAGGCAGCGATGGCGATTTTGTAGTGTATGTGGTGAACAAA
GCTGGCGGCTTGATTTACCAGTTGGACAGCTACGCGCCACGGGCTGAGGCTGAGAAAAC
TTCAGTTATCCGCTGGATCTGCTGCTCAAGCTACACGATGAGCGTGTGTTGGTTGCTTTC
GGCCAGCGGGACGGCATCCGAGTGGGTGTCAGTGTGCTGGCCATCAATGGCATGGACGTG
AATGGCAGGTACTGAGAATCAAGACAGAGTAGCCATTATATAACCCACTTGCCCTTTTA
TGAATGTTTTTCAAAGAGGCTATTTAACTCAGGTTATTCTACTCTATGGGTAATATTGCA
TTTGTTAAGGGGAAAACCCACACCCTAAACTTAAAGATTACCGGTACCT

Sequence 3899

CCGGGCAGGTACACAGAGTAAAGAGGACAAATAGGTGAAAGAATAAATGAAAGGCTGGAA
TCCCACTTCCCCCGCTGTCCAGGGCATTGGATATTGACGGATAGGAGGCAGCAACCAC
TCACAGAGCCAGGAAGAAATGAATGCGTTGGTATTGTCAGGAGGGGAAGCCGGCCCGACT
GAAATACGCTATGACCATAGCCAGGAGATACTGATGGAGAGAAAGGAACACAGAGAGGGA
GAGGTCACATCTTGAAGAGGAAGATTGTGGAGAGGGGGAATGAGGGTCTGGGGAGGGGC
TGCCCATCAAGAGAAGGGACCTCAGTGTGGGGTGACTACTCATTTGGAATTTGCGGGAT
GGAGGGGTATTGGAAGGTCGGGATGCAAATCCTAGAAGCCAGAGGAAGGGTTTTGGGTGA
TGCTCCAGGATGGTGGGCTNCGATGGGATCTTTGGAG

Sequence 3900

GCNCCACCGCGGTGGCGGCCNCCCGGGCAGGTTCCAGCTCTNTTCATCCCCAGGGTTTAT
GCTCACCGGTCACTGCTGGTGTGACATGATGGCTGAGCACCGGCACTGTGTCCAGCGCAT
TGCTAGGCACTANACACGTGCTCTTTCATTTATTCCTCAAATTGCTTTGTGCTGTAAACG
CTACCCAGAAAGGCTCATGTTCACTACTCAAGTCACTTCACCAGAAAGTGACAGAGCCAG
AATTCAAACCCAGGTCTGCCAGATTCCAGGTCCCTTGCTTCTTCTGTTGTTGCTCATTGC
AAGGGAGTCTTCTTCAAGGTTATTCTCAGGACTTTGATTAAGATACAGGCTCACAGCTGG
GCATGGTGTCTCATGCTGTAATCTCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACTTG
AGCTCAGAAAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCTGTCTCTACTAAAAATA
CAAAAATTAACCA

Sequence 3901

CCGGGCAGGTACACTGGGTGATGAGGGCATCAGGTAATGCCCACTAAGGCCTCAGTGCAC
TGCCCATCAGGAGGGATGGGAGCTGCAGACCAACGTTACTGACTTGACGCANACACAAAG
CAAAAGTGGAGGACGGTGGAGGAAGAAGCANCCCAAGGGAGGCGCGGCCAGACCACTGCN
TGAGACTCGTACCT

Sequence 3902

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTTCTGCAAATGCTGATGTTTAA
TGACCTATTCTACTTGAGGAACCTGGACAATGAGGATTTTCTAAAATGCCAAGTCATAAA
ACCTCANACNCTTGCAAAATAAGAGAACAAATNTGCNCGGAGCTGCTCAGCCACTGATAT
GTCAACTCCTGGGAACAGCTGGTGTCCACGGGGGAGGGGGCAGCATGTGGCCAGGCATGT
GAGTGGCTTCCACTCAGGANAGCCCCNTGAGCAGGTCTTGTTCAGGAGTTCAAAATATG
TCTTCCAGGGCATGGTTTCAACAGTGAANAAGCAGGTTGTTTCCAGCTCCAGGCTTTNTTGA
AAAGGGCAGTTGTCAATGTCATCTTCAAATTTCTACATACGGNTTGGCGCAGTTGCAGA

Table 2

TTCATGGAGAACACCATNTTACCCCG

Sequence 3903

GTCTTGCTGTTGCCAGGCTGGAGTGCAGTGGCATGATCTCGGCTGACTGCAACCTCCGC
CTCCCAGGTTCAAGTGATTCTNTGGCCTCAGCCTCCCAGGTAGCTGGGACTACAGNGCA
CACCACCACACCCAGCTAATTTTTGTATTTGTAGTAAATACAGGGTTTCACCACGNGGGC
CANATGGTCTCAATCTNTTGTCTTGNGATCCACCCACCTNTGCCTCCCAAAGTGCTGGG
ATTACAGGTATGAGCCACTTGCGCCCAGCCTATAAATNATTAAGCTAGACAGGCAAAAT
TTACCAATCTTAAAAAATGCTNTATAGCATTTATTTAGTTAATAGTCNGGGGNCAACA
TTTCTGCTAACTGATATGCTTATATTACCTCATTTAATCCTCNCAACAATTCTNTGGAA
TAATTTACTATTTATTCCCCTTTTGNACCTCGGCCGGTCTAAAACTAGGTGGATCCCCCG
G

Sequence 3904

NCCCTTTGAAACNNCTATAGTTTGAATTGGAGCTCCCCGCGGTGGCGGTNGCCGGGCA
GGTACTTTTTTTTTTTTTTTTTTTTTTTATCATAAGATAATGCAGAACAGAGAGATG
GCTACAGCCATGCAGATGAGAAGAAGAAAAGAAATTTCAAATCTTGGATGTTTCTTTTGC
CCCTAAGGCTTGAGGACAGGGAACAAAAATGAGAAACACTTACCCTATNTAAAGCACCC
AGTTCAGCAGGCCTGTGCGGAACANAAATGACTCCTGAGGAAAGGNGGGGGCCGGTCTG
AATAGTTGATTTCTNTCTTTAATGAAAAAGAACATGAGGCCGGATGCGGTGGCTNACGCC
TGTNATCCCAACACTTTGGGAGGCCNAGGCANGTGGATTGCTTAAGCTCAGGAGTTCAAG
ACCACTCTGGGCAACATGGTGAAACCCCCGCCTTTNCAAAAAAATACAAAAAATTATTCAG
GCGTGGTGGTNTGCCCTTGTNGTCCCACTNCTTGAGGGGCTTANGCAAGAAAATCCTTTG
AACCTGGGAGGTTGAGGCTGCAATGAGCCCCAANATTGANCCANTNCACTTTCTNNCTG
GCGANAAAANGGGAGAACCTTNTCAAAAAAAAAAAAA

Sequence 3905

GAATTGGACTCCACCGCGGTGGCGGCCGCCCGGCAGGTNCGCGGGGGCGGCNGCTGGC
GGAAAGAGCTGGCTCAGGGCGTCCGCTAGGCTCGNACNACCTGCTNGAGCCTCCCAAACC
GNTTNCATAAGGCTTTGCCTTTCCAACCTCAGCTACAGTGTTAGCTNAGTTTGAAAGAA
GGAAAAAAGAAAATCCCTGGGCCCNNTTTCTTTGNNTCTTTGCCAAANTTCGNCGCT
TGTANGNCTTTTTTT

Sequence 3906

CANGAAGCACACCATGCCTTCCCTNCATGTTCCATCACGGCGCCACAATCTGTGTCCCTT
AACTTCTCAGGGTCAAAGACAAAGGCAAGCGTTGCTGAATTTCTCTTTAATGGCCATTG
GAAGAGTCTGGTTCACTTTTTCCCAACTCTCTTCCCACTCNTATTTGGGGCCTCTGGGTT
TTATGAAGGCACAAGGAAGTGTGACTTTGTACCTCNGCNCNGNTCTAGGAACTAGTGGATC
CCCCGGGCCTGCATGGNAATTCANATATCAACTCTTTNTCCGATTACCGTCNNACCTNT
ATAGGGGGGGGG

Sequence 3907

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTGAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTANCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAA
CCCANGAGGGGGAGGTTGCATTGAGCCGAGATCGCGCCACTGGCTCCAACATGGGGCGAC
NGAGCATGACTCCATCTCAATAATAAANAAGAAAGAAACANNGAAAAAAGCTTAT
ATTGAACCTNTTGNNGAAGAAAAAAGAANGCCTGNTGCACACAAATCTNAATTTGG
GAAGGTCNTCCAATTAAAGGGNNTTTTTTTTTGCAATCACAAAAATAATCTTTTACTCCC
CCCCAAAAATNCAATNAAAAAGGTCNAANTCGCCNACCTTTTNNCTAAATGNGGGTTTT
AAAAA

Sequence 3908

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGCTATTCACCCTTTCTAA
CATCTTTCTTCTTGCCACCTGTATGCCACAAATATAAGAATGAAATAGGCCAGGTGCAG

Table 2

TGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGTGGGTGGATCGCCTGAGGTC
AGGAGTTGAGACCACTGCTGGCCAACATGGTGAAACCCTGTCTTTACTTAAAAAATAC
AAAAATTAGCCAGGTGTGATGGCAGGCACCTATGTATAATCCTAGCTACTCAGTAGGCTG
AGGCAGGAGAATAGCTTGAACCTGGGAGGCGGAGGTTGCAGTGAGCCAAGATTGTGCCAT
TGCACTCCANCTGGGGTGACAAGAGCGAGACTTAGTCTCAAAAAAAAAAGAATGAAATAA
AATTGGCCCCGGGCGCTGTGGCTGACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGG
GCAGATCACTTTGGGGTGAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAAACTCGTCT
TTACTAAAAATACAAAAAATTAGCCCGGGTGTGGNNGGCAACAGGCCCTATTAGTCTCNG
CTTCTTCNGGAAGCNTGGAGGGCAAGNAAAAATTGCTTTGAACCCTGGGAAAACCGGAAG
GTTGNANNTNAAAGCCCNNTNAAAAANNNAGNNGGAATCCCCCGGGCTTGCAAGGAAAT
TTCANATNTAAAAGCTTTTTNNTTACCCGNCCAACCNNTNAGGGGGGGGGG

Sequence 3909

AGGTACANAAGAACTTCCCAGGATCCTCCATGCCGTGACTTTTCATCCTGGCCCCCACCTG
TGTGTGTGTTTCTGCCTGTCCCTGCACCACATACGGACCCCTTACAGGGCGCTGTGGAA
GCAGGAATTCCTGGGCTGGAATGCCAGTTCTCCACTTGAGCTGTGTGACCTCAGGCTGG
TGACTTGACCTCTNTGATACACATCTATATTGAATGTGTATCTATTGAATGTGTGTACCC
TGTAATGGAATCTGACCCACATTCAGGGCTATGTGAAGGATAAACAGTTATGTGAA
GTACCTGCCCC

Sequence 3910

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGTGGTTGGGTGGTAAGATG
GCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACT

Sequence 3911

CGCTACAAAAACGTGGCCAGACTCTTGTTTACGTCACTCCCTGATCACATTTCTAGTTAG
CGGGTGAAGTCTTTCAACCGGGGTCTCTGGCTACCTTGACTGCTGTTCTCTGGCCGACAG
AGGTCTCAGGCCTCCCTGAGTCAGAGCTCCAGGGGGAGGACCAGATTGTCATCTGTGCT
GGGGGTTCACTTTTGAGAGAGTTCTCCTCTGAGACCTGATCTCTGGAGGCTGGGCAGTCT
TGCACTTGAGGTGGGGCTGGTCTGATCTCAGCACTCCTTAGTCTGCTCGCCTCTCCCATG
GCCCCAGCCTGGCCACACCTGCTTACGGGGCACTCGTAGATGCCACACCATAGCTTCCA
TGCTAGTGGACTGTACCTGCCCC

Sequence 3912

AGGTACATTAGGAAATAAGTCCTCTAAAAAGAAATCATGATCCTGCTATCCAGGATTAC
TGATATCAATTAGGAGCTTTCATTCTTGATGCCTTCCAAGCTGATAACCAAATGTCCCTG
CTCTCAGAGAATCACCAGTGTGACTCCAATGAATGGCAGTGCGCCAAACAAACGTTGCATC
CCAGAATCCTGGCAGTGTGACACATTTAACGACTGTGAGGATAACTCAGATGAAGACAGT
TCCCACTGTGCCAGCAGGACCTGC

Sequence 3913

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTATAAACACACAGGCCCCAC
TCAGCACATCGGATTGCTGCATGGTATGNGGAGNGTCCAATGCATACCAAGGGGGTTGTG
TGGCTGCCAGGCTGNGANCCCCCTCGGCCTCAGCACGGNTNTGCTANACAAAGTAGTTTT
CCAAGCTAGGTCCTATTGCATCAATTATTTGNAACCTGTCATCTGCCCCCATGNGAGCG
ATTCATTGGANAGGGNNGNGGTGACCCGTGTTGCTGGTCNCCATCAGGAAGCGAGCCCT
GTTCTTGCTGATCCAGTCCACTTACATTGTNAAGCTTGTAGTAAAGCCCCACAGGCATTG
NAAACAGGGTCCCCATTG

Sequence 3914

CCGGGCAGGTACGGTGGTGCGATCTCAGCTCATTTTGACCTCCGCCTCTCAAGAGTTCAA
GCAATCTTGTGCCTCAGCCTCCTGAGTAGCTGGAACACAGGCATGTGGCCACCACACC
TGGCTAATTTTTGTGTTTTTAGTANANATGGGGTTNACCATGTTGGCCANAATGGTCT
CGAATCCTGGCCTNAAAGTATCCACCCACCTNGGCCTTCCNAAGTGCTGANATNCCANC
CTTAACCAATGTGGCCTGNGGCCAAGAACCATACTTTTAAACACCAAAATANTTAGGCC

Table 2

AAGATTGCTCTTTTTTAAAGCAAAAGAGATATNTAGTTAAAGACATNAAGAATAAAAAATT
AGGCACTCTTCCTCTTTTCCAAATCTTTGGAATCTTTATTTAAATANATTAAAT

Sequence 3915

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTTCTNNANANANAAANATNNAANGG
GTTTTTTNTTTTNAAAANANNAGNAAAAANACCCNTTTCNTTNAAGNAAAAAAAAAN
TTNTTTNTNGNTNAACCCAAACNCCAGGGNGNAAGGGGNGGCCCTTTGGGNAAAGTAA
GGGANGGGGATNTTTGGNGGAAAATGGCCCCCNTTAANAANCCCTTNAGGNGGAANGAA
TTGCAGGNGGNTCNTNGGGGANAGNNANANANTTTCCCNAAAC

Sequence 3916

TACCACGTGGGTGAGGCTGGGANNGNAACTCCTGACCTNAAANANATTTANNTGCCTNG
GGNCTCCCAAAGTGCTNGGATTACAGGTGTGAGCCACCATGCCTGGCCTCATCTCTCTTT
TTTTGAAGACAGGGTCTTGCTCTGTCAACCAGGCTGGACCTNAGTTGGCATGATCATGTC
TCAAGGGCAGCNCTCGGACCTTCTGGGCTCAAATGGATCCTCCACCCNTTGCCTTCCG
AGCTAGCGTGGCCACTTACCCGGGCCACATGCCACCCATAATTCTTGCTTAAATTTT
TAAATCTTTTTTGGTAGGNAGGACCACGGAATCTTCCCTNATGGTTTACCCCAAGGG
CNTGGTCTTGAAAAACCTTCCNTNGAGGGGCAAAGGCCAANTCCCCTGTTAGGTCNTTC
GGGGACTTNCCAAATGGGNTTTGGGGGAATTAATAAGGGGCCNTGGGGGCCACCCAC
AACCTTGGGCCTTCAAAAAAGCCATTCT

Sequence 3917

ACGCCCCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTG
AGACCAGCCTGGCTAACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATTAGCCGG
GCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAAATCGCTT
GAACCCAGGAGGTGGAGGTTGCAGTGAGCCGANNATCGCGCCACTGCACTCCANCATGGG
CGACCAGAGCAAGNACTCCATTNTTCAAANTAAAGNAAAAGAAAAGAAAACANANAGTAA
ATAGGAAAAAGGCCTTATAATTGGAACCTTCTTCTTAAAAAAAAGGAAAATATAATA
GGGGAAAGNCCCTTGNNTTGCCNCAACCAAAATNCTTAAAAATTTCTTGGCAANGTTC
NGTNTTTCANATNTTATAAGGGGANTTTTTTTTTANTTTTTNGCCATTCAACAAAAAA
ATTAAATTC

Sequence 3918

CCGGGCAGGTACTGCGGCTGAACTGGCACTCAAACCACAAGACTACAGTCCTTCCCATAC
TTCCCTCCCCTTTCCATAGGAAGAGGAGCCTCACCTGTGGTAACCACCACCACAGACCC
ATAGGGACTACTGCCAGGCTACTGCCAATGTTCTCTTGAAGCCCAAGGGCTGCCTGTAAT
CCCAACACTTTGAGAGGTCAAGGTGGGCAGAACCTTGAAGCCAGGAGTTCAAGACCAGC
CTGGCCAACATGGTGAACTCCGTCTCTACTAAAAATATAAAAAATTAGCCAGGTGTGGTT
GCACATGCCTGTAATCCCAGCTACTCAGGAGGCTGAGACAGAATCACTTGAACCTGGGAG
ACGGAGGTTGCAGTGACCAAGACCGCGCCACTGCACTCCAGCCTGGGCCACAAGAGCAA
AACTTCGTCTNAAAGATAATAAAAAATTAATGACATTGGTTTTTCAACTTTTAGAATCACC
CTATTAGACCAAGCATAGATATAATTTTTTAAATTATAGGGAAAATAAACTTGGG
ACTNAAAAAAGGGAGGNTGGGGAAATGGTTAAATGAGCTTGGGTTTTTCTTGGCATA
AGCAAGGGCTTTAAAAACAAAAGTTGGNTTAAACCAAGGAAAATAGCCCGTTTTTAGGA
AAATTACCTTGGGCCCGGGCCCCAAATGGGCTTCATTGCCCTTGTAATCCCAACCCCT
TTTTG

Sequence 3919

AGGTACTTNTTTTTTTTTTTTTTTTTTTTTTTAGGTTNGNTCTTTAACCTCATT
CTTTCCTTTGCTCACAGAACCTGGAAGCAACGTTGACATTTNTTGGACAGCTNTGACCG
GGTTTTAATCCCAAAAAGAATCCCTTAACACTGTGGCACATGAGGCACAGGGCACAGTCA
CAGGCTNAGGGACTCATGATCCTACTTCAGGGAGAGCTCAAAAGGGT

Sequence 3920

Table 2

CCGGGCAGGTACGCGGGGATTCCCCAGACCTTCTGCAGATTCTGTGGTTATACTCACTCC
TCATCCCAAGAATGAAATTTACCACTCTCCTCTTCTTGGCAGCTGTAGCAGGGGCCCTG
GTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATCCTGCCAGGAAGCTGGG
ACCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGAACCAGCTTCACCCCCAGAGACA
ACCACAACAGCCCCGGGAGACTTCGGCGGCAGCAGTTCAGGGGGACAGCCAAAGGTCACCT
CAAGGCAGGCAGGAATAAAACCCCTTGAAATCCCATAGTGGGAAGAAAAAGTATNTTT
TACTAACAGGAACAAGCCCTTGGCAAAAAGGCAGGGAAAAAGGGAATGCCACCGGGAGGG
CGTTGCCAAGGTGGGAAAAACAATTTTCATTGAAAATGGGAAGTTGGAAATTTTGACAA
AAAATTACTTGAAGGAAATTTAAGTTCTNTTTAAAAACCATNGGGCATTGAANAAAGCTT
GAAAAAAGAAATGGGGGATCCATTTTGGGAACTTTTAAAGCCCTTTA

Sequence 3921

ATAGGGCGAATTGGAATCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGATACAGC
ATCGGGGCCAGGTGTGGTGGCTCACGCCTGTGATCTCGGCATTTTGGGAGGCTGAGGTGG
GCAGATCACAGGATCAGGAAATCAAGATCATCCTGGCAACATGGTGAAACCCGTCTCTA
CTAAAAATACAAAAATTAGCCGAGTGTGGTGGCATGTGCCTGTAATCCCAGCTACTCGGG
AGGCTGAGGCAGGAGAATCGCTTGAGCCCAGGTAGGTGGAGGTTGCAGTGAGCCAAGATC
GTTGCCANTGCACTCCAGCCTGGGCAACAGNAGCGGAGACTCCATCTCAAAAAAAAAAA
TNNAAGAAGGTNCCTCGGCCCGCTCTAGAACTAGGTGGGATCCCCCGGGGCTGCAGGG
AATTTCCGATATCAAGGCTTATCGGATTACCCGTCCGACNCTCGAGGGGGGGGGCCCCGGT
ACCCAAGCTTTTGTTCCTTTTAGGTNGAAGGGGTTAAATTGGCCGCCGCCCTTTGGCCGT
TAAATCAATGGGGGCAATAAGCCTGGTTTTCCCTTGGGGGTGAAAAATTGGTTAATTCC
GCCTTCACCAAAATTTNCCACCACCAAAACATTACCGAAGCCCCGGGGAGCCATTNAAA
AANTTGTA AAAAGCCCCCTNGGGGGGTGGCCCCCTANAATGGAAGTTGGAGGCTTAAACCTT
CNACATTTTAAATTTGGCGGNTTGCNCTTCACTTGNNCCCCCTTTTTTCCAANGTCC
NGGGGAAAAACNTNTTCCGTGCCCNACCCTGGCNATTTAAATGGAATTCNGGCCCA
ACCCCCCGGGGGAAA

Sequence 3922

AGGTACTNTTTTTTTTTTTTTTTTTTTTTTTTGGAGNNGAGACGGGGGTTTCACCATG
TTGGCCANACTGGTNTTGAACCTCTGACCTNGNGATCCGCCCGCCTNAGCCTCCAAACT
GCTGGGATTACAGGAATGAGCCACTGCGCCCGGCCTCTTTTTTTCTTTTTCTTTTTT
TTTTTGANATGGAGTCTCGCTGTTGTTGCCAGGCTGGAGNGCAATGGCACAATNTNTGT
TNACGACAACCTTTGNTTCCCGCANCCCAGGTTTATTTCAANAAGCCAATTTTCCCTTTA
GGGGAAAGTTACCAANAAATCAGCCCAGGGGAANAAGGGAATGGGGGAGNGATGGGGCTT
GGAATGAATCCCTGTTTCAGGCCCTAAATCCGGCTGGGCCTCCCCCGGCGGTTACCTTGGC
CGGGCCGGCCCGTTCTANAACTANGGNGGGAATCCCCCGGGCCTGCAAGGGAAATTC
GAATANTCAAANGCTTTATTNCGGAATAACCCNGTGCCNAACCCTTNNAGGGGGGGGGG
GGGCCCC

Sequence 3923

AGGTACAGAGGGATCAGAGTCCAGGCTCCTTCTATAGGGTTGAATATCAGAGGGGAATAG
CAATGACCCCGATGAGAGAGAGAGACCAAGGCTAGATTCTTTCTGCAAGGTGGAGGAC
GGCTAGAAGGCAGTGGCCACAGATGAGCAGGACTTTTTCTAGACTGGTTTCTACAATTTT
TGGCTTTGTTTCAGGGCCCAACCAAGAGAAAATACTCTGGATCCTTCAACTAGCCCTCA
GGTAGACACATGTTAGAACAGCCCGTCACGTCCTTGAAGNCATCACTCCCCTTGCCTAGA
GGGAGTGAGGCAGGGGAGACTCCAGGCAGGTGGCCCCCTTAGTGCCTGGGGGTCCCCAAA
GAAATATTCTTCTCAGGGCTTTTGAAGCACCCACCGTGAAACCTGATTCTACTCATGGAA
TACCAATCTGGGGGGAAAGGGGATTAGTACCTGCCCGGGGCCGGCCGCTCTANGAACTA
GTGGGATCCCCCGGGGCTGCAGGGAAATTCGATTATCAAAGCCTTTATTGATTACCC
GTCCGACCCTCGGAAGGGGGGGGGCCCCCGGGTACCCCAA

Sequence 3924

Table 2

CCGGGCAGGTNCAGTTTAGTCAGGAAGCAGACATTAACACACATATACACTCACAATGC
TAAATAAAATAAAGCTGTTAATTTGATCAATGCCAAGAAGAAAAAGAATGGGGCTTATA
AGAGAATACAACAAGCGGTGCAACTTAAATGAGGGGGCAGGGGAGTATCTGAGAAGCCCT
CTGTGAGTGAGTGACTTTTTTTTTTTTTTTTTAGGAGATGGTGTACACTTTGTCTCC
AGGCTGAAGTGCANAGGTGCCGATCCCAGCTCACCTGCAATTATCCTCCTCAAGCAATTC
CCCTGCCTCAGCCTCCCCGAAGTTAACCTGGGGACCTTCAGGCAACATGCCACCCACGCC
TGGCNTAAAAATTTTTTTTGGTATTTTTTAATAGAAGACCGGGGGTTCCGCCCATGCN
TGGCCCAGGAATGGGGTCTTCGAATCTCTTGACCTCCGTGGGGTTCCACCTTGCCCTTNG
GCGTTCGCGAAAAAGTGCCTTGGAATTTACCANGGGCGGTGAAGCCCACCCGCGNGCCAA
GGCCCGGANGGGGAGTGGACNATTTTAATTCCTCAAAAACTTAAAAATAAANTTNNGCC
AATTTTTAGCCCCAGGGAAAAAAGTTTTGGGGGAAANAAGTNNTTGCCCAANAANA
AANAANAANAANAATTGCCGTTTTTGGGGGGTNTTTGGGNAACCCANTNNNNAANT
NTAGANAANAANA

Sequence 3925

GGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGA
GGTCAGGAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATAC
AAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGC
AAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCA
CTCCAGCATGGGCGACAGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGA
AAAGAAAAGCTTATATTGAACTTCTCTAAAAAAGAAAAAAGAAAGCCTGATGCACAC
AAATTTAAATTTTGGCAAGTCGATCAATTAAGGATATTTATTTGCATCACAAAAATAAT
TCTTTACTCCCCCAAAAAANTCAATAANAAGTTNAAATAAGCAACTTTTCCTAATGTTG
TTTTAAAT

Sequence 3926

AGGTACATCTCAGCAAAAGTAACAAACCAATCCACTCTTGAACCCCTAAACCCAGCTC
CACCCACTCCAGACAGACCTGTTTAACAATGTCAAGTGACAGGGCCAGGTGCAGGGGCTCAT
GCCTGTAATCCCAGCACTTTGGGGGGACGAAGTGGGGCGGATCACGAGGTTAGGAGATCG
AAACCATCCTGGCTAACACGGTGAAACCCTGACTCTACCTAAAAATACAAAAATTAGCC
AAGGCATGGTGGCGCNCACCTGTAGTCCACCTACTTGGGNAGGCTTGAGGCAGGAAGAA
TTCACCTTGAATTNTTGGGAAGGGCANTAGGTTGCCAGTGGAGCCTGANGATCTAACCAC
CTGCACTTCCAAGCCTGGGGGCCACAAGANGCAAAGGACTTCNGTTCTTAAGANANANTA
AAAAATNANAGTTCAAGCGGCGCATTGCCAGCCTTGTNCCCTTTGGCTTTTGTCTNGGGT
NCCCCAANGCCANCCCAAGCTNNCCCTTNGGNTCCTTCTTANGGGAAACAAACNACNGT
TGGANTTTGNTGGTGGCCAACAACCGGNNTTCTTAATTTCCACNAANTGGGGNTTTT
TT

Sequence 3927

AGGTACTGGATTTCTCTCCAGTTCCAGCCCACCCTCCACAAAATGGTATACTATTTGAAA
GCAGAGACTGTTGATCTTATTCACTGAAGTATTTCTATGTCTAGAATTGTGCCCTGCACT
TAGTTGCTACTCAATAAATGTTTGCAGAGGGACAGATTGACACATAGTAGATGTAAATGT
TACCAGCTCTCTGCAATGCAGTACATTGACCTTCCTAGTCCTATCCAAGAGTAGATTG
TAGACATATCATGTCATGTTATACTTTGCATATCTCTGTTACCCAGGTAACAAGCAGGTT
TCTTTGTATTTGACATCCCTGCAAACTTGGGTGGGCAGCAGAGAACCATAGCATAGAGGG
CTGAGGAAGAAGACGTCTCGCAGAAGGCACTGGGACCAGGGGGACTGCTGTTGTCTTTTG
CTCACTGTGTGGCTTAGAAAGCAAAAGAGGATCCCAGACACTGTGCACAGTTATGATGTG
AAGCTCAACCAAGGGGGAATTGGAGCAGATGAATGACCAAATNTTGAAAGG

Sequence 3928

CAAAATACATGACCNCAGCTTGACATNGCCTNGNCCAAAGCCCTNGAGTGGGGCCCTCAN
TCNTNTTGGNTCTGGCCTTACATTCTACTTTGTCTTCCCTGCACCCGGGCTTGGGTCT
ATGAAGTGGNTTATTTCTCCCTGAGCGATGATTCCACTCCTTTGTCCTCACTGGCTGCCTC

Table 2

TCACCTGCCCATTTGGTGCTGCANTGGCATTATCTTTCCCTCC

Sequence 3929

CGCGGTGGCGGCCGAGGTACGCGGGATCCCAAAGAATGAAATTTACCACTCTCCTCTTCT
NGGCAGCTGTAGCAGGGGCCCTGGTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTG
CTGATCCTGCCAGGAAGCTGGGACCTCTAAGCCTAATGAAGAGATCTNAGGTCCAGCAG
NAACCAGCTTCACCCCCAGAGACAACCACAACAGCCAGGAGACTTCGGCGGCAGCAGTT
TNAGGGGACAGCCAAGGTCACCTTCAAGCAGGGCAAGGGAACTAAAACCCCCCTTGAAAA
TTCCCATTAAGTTGGGAAGNAAAAAGGTATTCTTTACTTAAACCAGGAAACAAAGGCCCC
NTTGGCAAAAAAAGGCCAGGGAAGGGAATTGCCACGGGGAGGGCCGTTGCCCCAA
GGGTTTNGGAAAAAAACCAATTTTNAATTCGGAAAAAATTGGGGNANGTTNGAAAAATT
TTGCANCCAAAAAAATTTTACCTTGGAAGNAAAAAATTTCCAGNTCCTTANTTTAAA
AAAAACCCCATTTNGGGGGCCATTGGAGGAAAGGCCTTGAAAAAAGGGAAATTGGGGGGA
TTCAATTTTNGGGNACCTTTAAAAGGCNCTTTTAAAATTACCC

Sequence 3930

CCGGGCAGGTACCTTCCCCTGAGCAGGAGAGATCCTTGAACCACTGAGTGGCTTACATAC
CCTCAGGCTGGTAGAGTGGCTATGTGTCTGTGCCCAGGTCCGGAGAAACAGCCCACTGGG
TGACTTCTGGTAGACACAGCCCCAGGCTGACCGAGCATCTGTGTCTGTCATCCCCCTGCC
TGAGAAACAGCTCCATAGGCTGCCCTGGCAAATACATCCCCAGGCTGACCTAGCAACTG
TGCATCCTTGTCTTAGGTCTGAGAAACAGCCCCATGGGCTGCCCTACCAAATATCCTCC
TAGGCTAGCCATCAATATTCTGGGTCTGAGAAACAACCTGCAAGCCACCTCTGGCAGAA
ATGCCCTTAGGCCAGCTGAGCAGCTGTGTGCACCTGTCCAGGCTGAGAAATAGCCCT

Sequence 3931

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGGAACAAACACAAAAAAGTTTTA
TTAAAAAAGAGTTTGACATTTAAAGTTTGAAATAATATTAAGNGACACCCTGTTTC
CTTGGAACACAATGCAGAACCAAACTCTGAGACTTATTATAGCGAAAGTATTGTCAT
TCAGTTCAATCTAATGGTATGAGGTTAGCTTTGAAGGCCAAAAGAACTAGTTTCTAATT
CTTATCTTCTCCCCACTANACTTGNGGCCTAGGTAATTTTGTAACTTTCTGAGTCTGT
TTTCTCATCAGGAGCAGGATAATTCCTAAGTAATAGATCATATGTAGAAGTGAATATGAT
CTCATGGCAGTGGACATCAACCATAGTTAATTATTAANAATATATTTACATTGAGCTATC
CTTTATNTACTTTAAATTGCAGACAAACAACANTTGACAAAGAATAGATAAAATGTTCT
AACATAAACATTCTTCATTCTTTCTAGGAAGAAGTCCACATACAGGAAAAATAATTAGA
GGAGGGCCCAAGTTCATATTNNACAACCTTCCCAAAC

Sequence 3932

CCGGGCAGGTACTCTCCTGGACAGAGATCTGATTGTTTCCTGAGCAGGATAATAAAGAT
ATTGACTTACTCCAGGGCAAAGTTAGGGCAGATTGCTAGTAGTCCCTTGTAAGAGTAGG
GGTTTCCTAAGATCAGAGTTCCTCAGCTATGACACAGACCCACAGGGCTGCTCCAAACCA
CCCCATATGGGACTCACGGAGCAAGGGGGATGGATGTGAATAAGAGGCTCACGCTGTCTGC
TGTGTTGTGGTCACAAAGTCCTTTGTCTCTGACCAGGAGCCCCGTGTCTCTGCTAGTATC
TGTGAAACTGCAGCAGGCTGTTAGCTTGTAAGCAGAACTTTCACAGTTCTTGACACAGAG
GAGCCAAAGATCTCATTTCTATCTAAGTCAGATCAAGTCCCTCCTTTACTCAAATCCT
ACAATCACTCCCATTTCAGAGAAAAATCCAAAGTTCCTTACGATGGCCACAAAACCTGAC
TGATCACTCCCATCCTCCTGCACACTCTGGCATCTCATCCTGTCTCTGACCCCATNCCTG
C

Sequence 3933

ACCGGGAAGAGGAGGCGGNGGNGGGGGGGANGGACNTGAGNAANAAAAAANATTTTTT
NTTTTTTTTCGCGNCACTCAGACTACNNGTGCACCTCTGCAGCAGGTGCANGCCNGTTT
GGGCACCCCTCCAGAACATCTCCCCATGGATTCTGGCGGTANNTGACTCTTCAGATTCAA
NAGCCTNATCTCCTGTTGGNGCNTNCTGGACAACCTTTGGACCCAGTGCNGTTCTTCAA
TGCCCCCTTTCCCCNAGCNCTGCCAGCCCTGNGAGGCAGCTTCCCCAGCAGGGTCTAC

Table 2

CCCACNAAANGGACCCCCANGTNTTCCCTTTACCCA

Sequence 3934

CCGGGCAGGTACGCGGGATGCTGAGAACTGATGAAGCTGCAGAACCAACGAGGTGGCCG
AATCTTCCTTCAGGATATCAAGAAACCAGACTGTGATGACTGGGAGAGCGGGCTGAATGC
AATGGAGTGTGCATTACATTTGAAAAAAATGTGAATCAGTCACTACTGGAAGTGCACAA
ACTGGCCACTGACAAAAATGACCCCCATTTGTGTGACTTCATTGAGACACATTACCTGA
ATGAGCAGGTGAAAGCCATCAAAGAATTGGGTGACCACGNTGACCAACTTTGCGCAAGAT
GGGGAGCGCCCCGAATCTGGCTTGGCGGAATATCTCTTTTGGACAAGCCACCGCCCTTGG
GGAGACAAGTGAATAAATGNAAGCTTAAANCCTCGGGGGCCTAATTTTCCCATAGCCG
GTGGGGGGTGGACCTTNCCTTNGTCAACCCAAANGGCANGTNGCATTGNCATGGTTGGG
GGGGTTTTCCCTTTTTACCCTTTTTCTTATTAAGGTTTGGTANCCCTCNGGGCCCCGGCT
TTTTAGAACTTANGNTGGGAATCCCCCCCCCGGGGNCCTGGGAAAGGGAAATTTTCNGA
ATTNTCAAAGCCCTTATTTTCGGAATACCCCGGCCGACCCCNCTCGAAANGGGGGG

Sequence 3935

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACCTTCAATACCTTTAGTTGTCT
CCCACACACGCGTGTGTGNGTGAAATCTTCTACAATATCTTCCCTTTTTTAGACCATGTT
CACTGTCAAAAAGGTGCTTTAAGAGCAGTCTTTGGCTGGGCACGGTGGCTCACACCTGTA
ATCCCAGCACTTTGGGAGGCCCGAGGCAGGCGGATCACGAGGTCAGGAGATCAAGACCAT
CTTGGCTAACAGGATGGTCTTAAGGGACAGTGAAACCCTGTCTCAACTAAAAATACAAAA
AATTAGCTGGGCCGTGGTGGCACCGCCGCCTTGAANTCCAGCCTACTCAGGAGGCTNA
GGCAGGATAATCACTTG

Sequence 3936

AGGTACACAAATCATTAGCGTCAAACCTGGAATTGCCGACTGCTCCCCACCCTTCGTCTT
CGCTTGGCTGACTTCCATCACAGCCTCTCCCTCTATGTCTGAAACATACTTTAGAAAAA
GGGGTGAAACAAGACAGTGAGGAAGAGAGAAGAATCAATAAAGAAAAAATAGGTCACCT
GTCTGTGGTTACTGCCGCAATAGATTCCATCTTGGCGGGGTCTGACCCAGGAGCCCCC
AAGCTCCGTGAAAACCTCTCTGGGGGACACACAGCAGCTTATCTTCTTGTTTACAAAT
AACTGCCTTCTGTTGGTGACTGAGT

Sequence 3937

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGCANAANGATAAANATTTTTANAAT
TNANNNGATAATTTATGTTTCCCTGCTTTTTACTCTGAATTGTTCACTTTGAACTGANAA
CTATAAACCCATAAAAAATATTTTATTTAACTGATTTTCTCACATGGACAATGCTNTG
TTAGACATANAACCTCCACAAATCATCCATTCCCAACCCCTTGTTTTATACATAANAATCT
GATACAGGAAGGGGGCAGGGTAAGTGCTGTGTANGAGNAAAGNATGNGGGTCCCTGGCCT
AGGGCTCCACCNTGGGGCCCTGTGCCCAT

Sequence 3938

GCGGGAGGCTGACGAGAGCCGGGAGGCGTTGGNNGGGGAAGNGANAAACCNAANAACAAN
TNNNNTNTTTCTTCTNNGCGCGGCGCGGCTGCTTTATAGGAGAGGGCGCATGGCCC
CCTCGTACCT

Sequence 3939

CCGGGCAGGTACGCGGGGAATTGCGAGTGATGTGAACTGGCCTANNAAGCCCTGATAAN
NAAANTAANTTAGAGTAGGAGTCAGGAGGGAGGTTCTTTACTCTTGAATTAAGAGAAGGG
GANCTGGAGGTGGCTCAGGTAGAGTGCGTAGGTTTGCAGAACTGGGCCTGTGTGTGTAAA
GTGGCTAAGGCAAAGGAGTGGAAGTTTGAGAGAAGTTTAAGAGAAGAAATGGACATGNAT
TGCCCTAAATCAGCCAAATACAGGGGTCTCTACAGGGAGAAGACCGAAGATCCGCCCCCG
ATAGTTTGGAGAAGTNAATGGGGTTNCCANGAGGNGAGNAGCTTAAAGCAACCATGGCC
CAACGCCCCCTGGCCAGCGCCACTTGCCGANCCGCTTGCCAAGGGGCCGGGCTTTGCCCG
CCCGCCTGAGGAANGATCCGTGAAACAGTNAATGGGGGGAAGCCTTGTTACCCTTNTNG
CCCGCCTCTTAGAAACCTAAGTTGGGATTTCCCCCCCCGGGGCCTTGCCAGGGGAAATTT

Table 2

CCTAATAATTNNAAAGNCTTTATCCGATTTCCCNNGTTCCGTACCCTTCTTNANGGGGGG
GGGGGCCCCGGGTACCCCCAAANCTTTTTTTGTTT

Sequence 3940

ACCCCGGGAGCCTCACATGACTCTCTCAGCCCCCTCCCTGCTCTGAGTGACTGAGAGAACT
TCCTTAGCTGCAGGGCTGCAGGCAGGTGCTTCTGCTCCTGAGCTCCTAAACACACCAAGG
GGTGCTTGAAGGTCCAGGCCCGCCCCCTCTCTAGAGGAAAAACCTACTCATTTGAGACTAC
AAACCTCTTCTAGAAGCTGTAACCTGAAATGCTAGAATGAGCTTATATTAATCATGCTTT
TTTATAATGTATAATGTTTTACATCTTGGGGACCTCACTGACTGGGGAGAGACTGCCCT
TCCCAGGGCAGGCCAATTCTTAGAGATAGCAAAGGGGTCCCTTGGGAGTGCACCTTTGCA
CACTAACCAACTCAGAGTCCATCTCCTCGATTGACTCTTCCACCGCAGAAGGCAGTATC
CCCTCACC

Sequence 3941

GATCATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACTTTTTT
TTTTTTTTTTTTTTGCCTATTTATTTCACTATGGCAATTCCANTGCCTTGAGTGATGCC
TGGCTTATCATGGGAGCTCAGCACATAACAAATGCATACATGAATACNGATTCTCCCTCT
CACCCCAATCCCTTGGGATATGCTCTAGTATCCACTGACTNCTACTCTCCTGGCTGCCTG
CAAAGGTAGGCATGCCACCGATGTCGCTGATCAGCATG

Sequence 3942

AGGTACCTTCCCATTTTGGCTGGAAAGAATTTTATAAACAAGTTAGTCTCAAACACTGTT
AATAAGAAAAAGCTGGCCGGGTGCGATGGCTCGCACCTGTAATCGCAGCACTTTGGGAGG
CTGAGATGGGTGAATTACTTGAGGCCAGAGGTTGAGATCAACCTGGCCAACAAGACAAA
ACCCCATCTCTACTAAAAATACAAAAATTAGCTGGGCATGATGGCATGCTTGTGATCCCA
GCTACACAGGAGGCTGAGGCATGAAGATCGCTTGGACCTGGGAGGCTGAGATTGCAGTGA
GCCAAGATCGTGCCACTGCACTCCAGCCTAGGTGACATAGCGAGACTGTCTCAAAAAAAA
AAAAAGAAAGAAAAAGAAAAAGAAAAAGGTAAGATGCTTGGTATTTAGGAAAA
ACTTTATGGGCANGAGATTTCTTAGCTAAACTGAATGCTGTTAACATAAAATNTATACC
CACGTGTATTACAGATTTAATATGGTAGCTTATTAGTAACATTAATTAATGGCAGATAT
GGGTGATAGGGAAATTTTTTAACAGGCTCCTTTTTTTTTTTTTCCCAACCAATANTGGTN
GAAATTATAAAGTTTAAATTTTTTTCTAAGTTTATTATTGGATTTTTTACC

Sequence 3943

ANGTACGCGGGGAGGGACCCGCANCTCAACTACAGNGCNGNNNAGCNCNTGAAGCTTNN
ANANNGAACNTGGTTTTNTGCTCCTTGGTCCTGGGTGTCAGCAGCCGAAGCTTNTTTTCG
TTCTTGGCGAGGCTTTTGATGGGGCTNNGGACATGTGGAGAGCCTACTTTTGACATGAA
AGAAGCCAAATACATCGGCTCAAGACAAAATACTTCCATGCCTNNGGGGGAAACTATTG
ATGCCTGCCAAAAAAGGGGNACC

Sequence 3944

CTANAGGGCGAATTGNCNGCTCCACCGCGNGGCGGCCGCCGGGCAGGTNCTTTAGGAG
ACCCANGCGGGCAGATTGCCTGAGGTGAGGAGTTTGAGACCAGCCTGGCTAACNTGGTGA
AACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTC
CCAACCTGCTTGGGAGGTTGAGGCAAGAGAGNTCNTCTTGAACCCAGGAGGTGGAGGTTGC
ATTGAGCCGANATCGCNGCCACTGCACTTTCAGCATGGTTCGACCNGANCATNGGACTNC
ATTCTNAAAATNNTGAAAGATANGCAAACAATNNTAAAATAGNAANAAGGNNTTAATTA
TTTG

Sequence 3945

AGGTACAAAGATGGTCGATACGATTATTTTTCATCATATATTACAGAAAATACTACTCTT
GAAAAATACTCTGAGAAATATGTTCTATGGTCAGATAAGTTTGGGAAACAGTGAATTATT
GTTCCCTCCTTTGCAGAAATCACAATGCACTGTTAGCTAATTAAGANTNTCAGATGTCCCA
CTGGAAAGAATCATGTTTAGCTTTGTTTAACTAGCATTTCCCAAACCTATTAGAGCATA
AAACTTTGTTTTTTGTTTTTTTTAATAAGATAGGTAGCTATTTCTTAGAACACAGTTTG

Table 2

GGAAACTTTTTGGNTCATTTGTTTAAATAAGATACCTTAGGTAGCTATTTCCCTAGAA
Sequence 3946

CGAGGTACGCGGGGCGCTCAGCCTCCAGGAGGCACAGCAGATTCTCAACGTGTCCAAGCT
GAGCCCTGAGGAGGTCCATTAACTATGAACACTTATTTAAGGTGAATGATAAATCCG
TGGGTGGCTCCTTCTACCTGCAGTCAAAGGTGGTCCGCGCAAAGGAGCGCCTGGATGAGG
AACTCAAAATCCAGGCCAGGAGGACAGAGAAAAAGGGCAGATGCCTAATCCCGAATAA
CATCAACGACGGCTGCAATTTGCACAGTTCTGTTGGTGTAAAAGTCCAGTAGAAGGTTT
TTGGATTGTCGTACATAGGCAGGCAGTATACTTATAGTTAAATGC

Sequence 3947

TGCGCTACCTGCCCCGCTTNCAGTCGGGGAAAACCTGTCGTTGCCAGCTGCATTAAAT
GAAATCGGGCCAACGCGCCGGGGGAGAGGCCGGTTTTGCCGTTATTGGGGCCGC

Sequence 3948

CCACCGCGGTGGCGGCCGCGGGCAGGTACGCGGGATTGGCCAATGAGCCAAGGCTGGA
GTCTGAGACCTTTGGAAGAAAAANAANGCACCTNCTGCCACTTTCTCCCTCANAAGGCA
CAAACACTTTGTGTTCCCGTCAGTTTGAGGGGACGGTGGGGGGATGATATGAATGTCAC
AGGAGGAGACACCTTCTGTCTTTGTTCAAAGAAAGTGATGTGCCATTTGTTAAATATTA
CAAGCANAAATATTGNNAAATATATTTGAAAAAGAGGCAAAATTTTAAATTATTTTTGG
CTTTATTGTTGCCAAAAATTTAATTTTTCTTGNNAATTAAGAAAAGATTCCCTTTTT
GTTACGAAGAAAAA

Sequence 3949

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCAACAGAGGTAGCATCAGCAAGCAG
GCCGGCGCCAGGAGGGGCAGCAGCCTCACGCGGGGCTTTCTGGTCT

Sequence 3950

TTGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCGGGCAGGTACGCGGGAGATGTAG
CTGTGTAGTCTCCTTCCATAGCTGCTCTAAGGGGGCTGGCAACATGGCTCAGCAGACTTG
CCCCAGAGCCATGGCAAAGAATGGACTTGTAATTTGCATCCTGGTGATCACCTTACTCCT
GGACCAGACCACAGCCACACATTAGATTAAAGCCAGGAAGCACAGCAAACGTCGAGT
GAGAGACAAGGATGGAGATCTGAAGACTCAAATTGAAAAGCTCTGGACAGAAGTCAATGC
CTTGAAGGAAATCAAGCCCTGCAGACAGTCTGTCTCCGAGGCACTAAAGTTCACAAGAA
ATGCTACCTTGC

Sequence 3951

CCGCGGTGGCCGCCGANGTACANGCANCAAAAGCAAAAATATNCAAACGAGATTCCATAA
AACTAAGAAGCTTCTNTGCACANCAAAAGGAACAGTTATAGAGTGAAGAGACAACCCACA
AATGGGAAGAGAATGTTTTTAAACCATACCTCANGTAAGGGGTTTACATCAATAATATG
TAAGGTAACCAACCCAGAAATGAGAAAACAAGCTTACTAAAAAATAAGTNAAGGACTTG
TATAAGACATTTTTCTAAAAAACNGACATACCAGAAGGGTCAGCATTTTTTATTTA

Sequence 3952

CCGGGCAGGTACCTGTTTTGTTTCCTGATTATTCCAGGATTCTCTCACTAGACCCTAAGC
CTCTCATTCTGCTGTAGGTCAGATTCTCTATTCTTCTCCCTAGCCCAGAGCCTTGCCAG
CACTTGCGAAAGTTACGGTTAGAATGTTCCCTTGCTAGTCACCTCTTTGAAAAACACT
GTGATGTTACATGACTGCGATTCAAATCAGACACTGTCTGCTTCCACATGTATCTCAGA
CAGGTTTTATTTAATGTTTCTTGTCAGAATATTGTAAATTCAAAAGGATGACTTTAAATA
AATGTAAACAAAGACAAACTTGTGGTCTTTTTGCTGGAATTACTTTCACAAGAGATGGA
GCTTGCAAGGGGAATTTACTGTCTGACCAGTTACTAATGTGAGCCCTTGCCCCACCCTCTC
CTTTTCTTAATTTCTTCTGTAGGCCTTCTCGGTTATTAGTCCGCCCCACCAGTCCGA
AACCCGAGTGCAGCCGAGCTCGTCAGTGCAATTGAGGAACTCGTGAAAAGCAAGATGGTG
ANGCCTNCCAGAGAAAGTCTGACTTTTTGGNANCTGCTCTGTGGTACTACTTGGAAGAA
TGGATTTGCCCTTGG

Sequence 3953

Table 2

CCGCGGTGGCGGCCGCCCGGCAGGTACTTTTTTTTTTTTTTTTTTTTATTTTTTTTTT
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TTTTTTTTTNGGANTTTTNNNCNAAAAATTNNNGGGNGGTTNAAAAAAAAAAGGAAAAAN
GGGTNTTTAAAAANANGNNTTTNNNAAANNTTTTNTNAAANNNNNNNNNAATTTNNNCN
AAAAANNNGGANGGCCANNNTNGGGGNAANAAAAANAANGGTTTTTTNAAANATNAANNNT
AAAAAATTTTTTTNNNANCNNTNTNNNNNAAAAAANNGGGGGGGNANNNAAAAANATTT
TNNAANNCNTNAAAAATTTTTGGNAAAAANNNNNNTNAAAAAATTTAAANCCCNTC
NNCAAAANGGNTTTTTTNCCCCNAAAAANCCNAAANANNGGGCCCCAAANTTTAACCN
AGGCCAAAAAANGGGGNNANNCCNNGGANCCNGGGGGNGGCTTNAAAAAAN
NGGNANCCCCGGGGCGGGGGAGAAATNTAAAAAANNCGTTNATNANNACCCNC
AACCCNTGNNGGGGGGGGCCCCNNCCNCNTTTTTNTCCNCTTTTNGGGGGGGGNTN
NAANNNNCCNNGGGGGNAAAAAAGGGG

Sequence 3954

CCGGGCAGGTACCAAATGTGGCCAATCGAGGCTTCGAGTAAGTCACAGCAGCGTTCACC
AGCGCCGGGGTCTTCTCCACAAGTTACGGACAAATTGGGCCATGGTTCTGGAATGGAGA
GTCCGTCGCCCCGAACCGCCGGCTGAATGTCACCCGCCGGAAGGCCCGCGTACCT

Sequence 3955

ACTTTTTTTTTTGAGATGAAGTCTTGCTTGTGCCCCGGCTAGAGCGTAGTGCGCAATC
TTGGCTCACTGCAACCTTCACCACCCCAAGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGA
GTAGCTGGGATTACAGGCACACACCACACCCCACTAATTTTTGTATTTTTAGTAGGA
GACGGGCTTTTACCATGTTGGCCGGGCTGGCCTCNAACTCCTGACCTCAAGNTGATCCGC
CCGCCTTGGCCTCCCAAAGTTGCTGGGATTACAGGTTGTGAGCCACCACGCCCAGGGAGA
CATTTCTTTATTTTAAAGGGTAGCCTGGTTTATCCCCGGGNANAAGTGGTGGACTTTTCT
AACTGAGACAAAGCCAAGTGCTTTTAAAGGTTTTGGTGTNGGTCAANGAAGTAAACCAAG
NAACCCACCAACNAGGGAAGGACCTTTAAATTTGATGAATTNATTATTNANTTAATTT
TAGGGTTCCTTCCCTTNGGCCCGNCTTTCTTAANAAAAANCTAAGTTGGGNATTCCCCCCCCG
GGCGNTGGCAGGGGNAANTTTTNCANTATTCCAANNGCTTTTANTTCCGATTAAACCGN
TGCGAACCCCTTCTGNANNGGGGG

Sequence 3956

TGCATTAAATGAATCGGCCAACGCGCCGGGGGAGAGGCGGTTTTGCGTTATTGGGCCGCT
CTTCCGCTTCTCGCTCAACTGGACTTCGCTTCGGCTCGGTCGTTCCGGCTGCGGCNG
AGCGGGTATCANGCTCACTCAAAGGCGGTAAATANCGGTTTATTTCCCAACANGAAATCAA
GGGGGGGATAAACCGCCAGGGAAAAGAACATTNTTGAGCAAAAAGGCCAAGCCAANAAG
GGCCNAGGATAAACCCGCTAAAAAAAGGGCCCGC

Sequence 3957

CCGGGCAGGTNCTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTNTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGANAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTTGAGCCGANATCGCGCCACTGCACTCNCANCNTGGGCTG
ACCAGAGCATAGACTCCNTCTTNAAAATAAANAAGAAAGAAACAAAGGAAAAGGAAAAAG
CTTTATATTGGAACCTTTCCTTCTTAAAAAAAAGTAAAAATAAAAATAGGAAAAGCCCTG
GATTGCCCCACCAAAANTCTTAAATTTTGGGCNAANGTCCGTANTCNAATTTAAAAA
NGGGAATNTTTTATTTGGCCANTCCACAAATAAATTAAATTTTTTTTAACTTCC

Sequence 3958

ACTNNTTTTTTTTTTTTTTTTTTTTTTTGGAGAGACAGGGTCTTGTTATGCCATCCAGG
TGGCTAGCGAATTCCTGGCTTNAAGCAATCCTCCTGCTTTGGCCTCCGAAAGTGTGGGA
CTACAGGTATAAGTAACGTCGCCAGCCAGCCCCAGCATGCATTTATAAGCACAAATGGGAC
AGGCTCATGCAAGGGCTCTTACAGGACCACCTGGACAGATAGGAAGTTATCTANACATCAG
GAACTTTTGAATTCACCTCCATGTAACATTCTNAGGAAAGAAAAAATTAATATTACAC

Table 2

ATTGNTTTCAAACTATTTTCTACANAACCCCAAGTTCAAANAAGCACTTTGTGTGTCACC
CAAAAAGCGCAGGACCAGTTGATGTCATCTNCCAACCTNAACACTCTGCTCCATTAAACATG
GACGACTCTAAACACCTGATATAAGATCAGCCACCACCACCACCGNATTTACCACGCAGC
CACTGCCTACCTNGGCCAAGCTNTAGGGCCAGTTCTTTTTTTTTTT

Sequence 3959

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCCGCGCCCGGGCAGGTACAACATGCTC
TTGTAGTTTCACTAAGGCACCTTTAAGTCACAGAGTTATTTTAAAGTATATGAGTTACT
TCTGATTATAAAAGTAATTCAGGTTCACTGTAACAATTGGAAAAGAGCAAAAAGAAATGA
ATAGCTCATAATGCCACCAATCAAGATAAGCTCTAGTAACAGACTGCATATTTATAAAAT
TGGGATCATCCTCTATATATTGTTTTATATACTTGTTTTTTCAGTTAACATATGAAAATT
TTCTTATGACATTAACCTCCTTCAGAACTATGTGGTTTTTTGTTTTGTTTTGTTTTGAG
ACGGAGTTTCACTCTTGTTGCCAGGCTGGAGTGCAATGGCGTGATCTCGGCTCACTGCT
GCAACCTCCACCTNCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCAAGTAGCTGGGA
TTACAGGCATGCACCACCATGCCCGGCTAATTTTGATTTTTTAGTAGAGATAGGGGTTTC
TCCAT

Sequence 3960

CCGGGCAGGTTCTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTNCAGCATGGGCGGAC
AGAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACANAGAAAAGAAAAGCTTATAT
TGAACCTCTNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTGGCA
AGTCGATCAATTAAGGATATTTTATTTGCATCACAAAATAATTCTTTACTCCCCCAAA
AATCAATNAAAAAGTTCAAATAGCAACTTTTTCTAAATGTGTTTAAAAATGGTAATCAC
CAAAATACATTGTTGTCCCAACTTCTTTCCAGTTNTAATTCTATTTGGGTAAAGTGG
ANGGTNTTACCCTGGAGNNGAGGGCAATTANGGAAGAGNTTGGGCCTTTAAACCTTCNC
TGGGANGAGAGGCGGTNGNTCNTTTTTTAAANGTCTTGAAGGGAANNGGTTNGGGGGG
CCNNAANTCTTTTCCAAACTTTTTTTTTT

Sequence 3961

CGGCGGCGGAGGTNCNNGNGGAGATTTANNCGGGNTNAAAGCCCGAGGNCAGGAGTTNGA
GNACAGCNTGGNAAACANGGGGAAACCCNGNCCCTACTAAAAATACAAAATTAGCCGGG
CATGGTGGCTCACGCCTGTAGNCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTG
AACCAGGAGGTGGAGGTTGCAGNGAGCCGAGANCGCGCCACTGCACTCCAGCATGGGCG
ACAGAGCAAGACTCCATCNCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAAGCTTAT
ANNGAACNNCNTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTT
GGCAAGNCGATCAATTAAGGATATTAATTTGCATCACAAAATAANNCTTTACTCCCCC
CAAAAATCAAAAAAAGGTCAAAANAGCAACTTTGCCTAAAGGGGNAAAAAAGGG
AATCCCCCAAAAAAACANGGGGNGNCCAAACNTCTTTACCAAGGGNAAAAAAGGN
CTAATGGGGGNNAAAAAGGNGGANGGGAATACCCNGGAAAGGGGAGGGCNAAAAAANGA
GNNGGGGGGANGCCNTCAAAAACCTGNCNNGNAGAAANGAGCGGGGNCATNNNNAA
AANAAGGNANNAAAAAAANGGGGGG

Sequence 3962

CCGCGGTGGCGGCCGAGGTACGGATGCTACTTGTCCAATGATGGTAAAAGGGTAGCTTAC
TGGTTGTCTCCGATTCAGGTTAGAATGAGGAGGTCTGCGTTCCCTTACGGAATTACATC
TTGATGGCAACAAAATCAGCAGAGTTGATGCAGCTAGCCTGAAAGGACTGAATAATTTGG
CTAAGTTGGGATTGAGTTTCAACAGCATCTCTGCTGTTGACAATGGCTCTCTGGCCAACA
CGCTCATCTGAGGGAGCTTCACTTGGACAACAACAAGCTTACCAGAGTACCT

Sequence 3963

CCGCGGTGGCGGCCGAGGTACAAAAGAAGAAACAACTCAAAATTTGATATACAGGTCTT

Table 2

AGATTTTTTTTTTTTTCTGAGGCAGGGTCTTGCTCTCTCACCCAGGCTGGAGTGCAGT
GGTGCCATCTTAGCCCACTGCAACCTCCACCTCCCAGGTTCAAGCAATTCTCCTGCCTCA
GCCCCCACCACGTANCAGGGACTACAGGCGTGACCACCATGCACGGCTAATTTTTGT
TTTTAGTAGAGATGGGGTCTCGCCATGTTGCCAGGCTGGTCTTGAAGTCTTGAAGTCT
GGTGATTCGCCAGCCTTAGCCTCCAAAGTGCTGGGATTACAGGTGTGAGCCACCATGGCC
AGATTTCTCTCTTAAGCAAATTTCTGACCAGGACCTGCCCGGGCGGCCGCTCTTAGAA
ACTAGTGGGANTCCCNCGGGGCTNGNANNGGAATTTCTAATTTTCAAAGCNTNTNTNNG
ATTACCGNTCTTNCCTTTTNAGGGG

Sequence 3964

CATGGCAGGCTTGNGTGACCTTNTGTGGNTNCATCACGAGTTGAACTCCCCTACTGTCTG
GTTTGATAACAGACTTTAATATTGNCITTTTTATTGTCATGCATTTCAATCAGTCACAGA
TCCAGCCCATCTCCCCTTCCCTAGGAAAGGCTGTTTTAGTTTGTTGGGGCTTTCC
TCTTTAACACAAATTTGGCTGGGTGAATGGACAGGAACAATATTGTTACGTAAAGCCAATA
GCTCTGATAACACCAGCCCTAAACCCATCTGTTCCGGGTTTGGGTGGNAAATTCGAAAT
TAGATCCTGGGGGGACCAGCTTTTNGAATCAATTTATCATCCGTCCATGAATTTTGCTAT
GTGTTGAGCAAAAANCNTTTTATTGGAACAAACCACCAGATTTNTAGAAACACCATAAC
CTGGATTATTGTAAAGGGGAACACCATGATAGCTTTTGAGTTCATATTGGCAATAAGNCT
CTTCCCTTTTGGTTTTTGAATTTTTTNCCTCTTTGGATGNNCCANGNCTTTTTTCA
AAAAAAATTTAACCAAANNCCCCAAAAGCCCTTTTTTCCCCCTCANAATCATAAAAG
TTTNCNCCCCCCCCCTTGTTAAAAAAACCCAAAANAANGGGGTGGGGGGGGGTTTTT
TTTTGGGNTNGGNTTTTGGGTTTT

Sequence 3965

CGAATTGGAGCCTCCACCCGCGGNGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTT
TTTTTTTTGAGAGTCTCACTGTGTACCCAAAGATGGAAGTGGTANGGGCNCCATTNNGT
TNACTGAAGCTTCCACCTCCTGGGTTNAATCAGTTATCCTGCCTNAGTCTCCCAAGGAGC
TGAGGATTACAGGCGCCGTGCCTAATCCTGGCTAATTTTTGTAGTTTTAGTAGAAATGAA
GGTTTCGCCACGTTAGCCAGCCTGGTCTTGCTTCGAAACTCCCAACCCTCANGGTAATCC
ACCCTGCCTTGGGCCCTTCCCAAAGTGCTGGGATTAAGGATGAGCCCACCANTGCCT
GGCACCAAGGTCTTCTTTTCATTTGTATACTAAAAAAATGTTTGGTTTTGAACANAACC
CTCCGAGATGAATAGAAGTCACCGCCCTTCTGGCTTCTCGGGGTCTCAAGCTTGCCCN
ATCTACCCCTGCAAGTTTGCNTGCTGCCTGCTGGANCCCCACCCANGTCATGTTNCCAAC
TGTGGCATTTCTAAAAAACTTCTTTCCCTTAAAAGGTNGGNACCCCATGCCCCAAN
TCNACAATTTTTTTTTCAAAAAATGTCCCCAAAAAGGGAAANGAAATCCCCCATNTNT
TTCCCTTTAAACANNTTNTTGTCCCTTTTNGTNCCAATTTTGAAAAAAAAAAAAAA
AAANCCCTTTTAATTTCCCNNTNTTACCCTTTGGGGCCGCTTNTTAAAAAAAAAATGG
GGGNTTCCCCCGGGGGTTTGGNAGGGAANTTTTTTTTNAAAACCTTTTTTTTGT
NCCCNNCANNCNTTNAAGGGGGGGG

Sequence 3966

CCGGGCAGGTACACACACTCAGGCTTCAGATCTTGTTGAAAGCTGCGATATCGACACTCT
GCACGTGCTCCTCAAACCTGGTGATCTCCTCCTCAGCAAGTCTGTCCCCACCTTGTCGT
CCTCCACCACACACTGAATCTGTAGCTTCCGGATACCGTAGCCACGGCCCCACAGACCC
AGCACGTATCTCCATGCGCCAAGTGGAGCCCCAGCCAAGAAGCCAGCCACACCAGCAG
AGGATGACGAGGATGATGACATTGACCTGTTTGGCAGTTGACAATGAGGAGGAGGACAAG
GAGGCGGCACAGCTGCGGGAGGAGCGGCTACGGCAGTACCT

Sequence 3967

AGGTACGCGGAGAGGCAGATGATATGCAGCTTGATCGTTGATTTTTGATTTAGATGATCA
ATGATGTTGAGAATAGTGTGTTGTATGTGTGAGCATGGATGTGTATGTCGTGTGTGTCT
GTGTATGTTGGTGTGTGTCTGTGTATATTGTGTGTGTGTGTGTGTGCATGCGTGTGTG
AGGGTAGGTATCACCACATTCCCTGTGGTGGTGTCTCTCTGGGATTGGTTCTTCT

Table 2

AGAATCTCCACCTTTTAGAACCACCTTAAAGATNTTATTTATTCTCTCCAACCATNCTG
GCAATCTTTTTATCCTTAAACAGGAATAAATTCCTACAGCTGAATCTATTCANGATTTCT
GTGTGTATGNTGAAAATTTATATGATGCTCAATCCTTTAAAAATCTTTTATTCAAGTAA
CTTTTAAAAAGTAAAAACACNAGGNGTTTTANTCATAAAAAAAGTGAAGAGATGTTTAG
GTCCCACTTAANNTTCTCTGCNTTGCTTTTCTTTT

Sequence 3968

AGGTACTTTTATTACAGTATTTTTATTTGTTTCGGAGACAGGGTCTTGCTCTGTTGCCC
AAGCTGAAGTGCAGTGGTGCAATCACAGCCTGCTGCAGCCTTGGCCTCGCAGGCTCAATC
AATCCTCCTGCTTCAGCCTCCTAAGCAGCTGGGAACACAGGCTCATGCCACCACATCTAG
CTAATTTTTATTTTTGATAGAGATGAGGTCTCACTGTGTTGTCCAGGCTGGTCTCAAAT
TCCTGGACTCAAGCAATCCTCCACCTCGGCCTCCCGAAGTGCTGGGATTACAGGCATGA
GCCACCACGCCCGGCCACAGTATTTTTTAAATGCCAGTTAGGTTTTATAAGATGTAGAAT
TCTATAACTCCAACACAAGAATGACAGGNGATGCTTGCATGACTTTTGGCAANTAACTTC
CAGGAAGCCCTAGGGATTTACAAAGATGCTTTTGAGTGACATTTAAGTCACAAGNAGAAT
TGNTTGCAANCTAAAACAGAAACACCAGGGATTGA

Sequence 3969

CACCGCGGTGGCGGCCCTTCCGGGCAGGTNTNATATGCTNTTCATAATTTGTCAGGCCAAC
CTTCACACCNTNTTTTGGCAGTTTCGTGTGCATACGCTGCGCAGACTATCATATCCCCCTC
TATCCCGGTACCCAGGCTTTGGCATTATTGGATGTCAATAGCATTGTTTTGTCATGTA
GCTGTTTTAAGAAATCTGGCCCAGGGTGTTCGAGCTGTGAGAAGTCACTCACACTGGCC
ACAAGGACGCTGGCTACTGTCTATTTAAATCTGATGTTTCTGTGAAATTCAGAGTGT
TTAATTGTACCT

Sequence 3970

ATGGCGGCCGAGGTACGCGGGGACAGTTCGGGTGGGAGAACGCGGCTGCNAGGTTTTCGG
CTTTGGCTCCTGATATGCAGCGACAGAAATTTTCGGCCCCCGACTCCTCCTTACCCTGGTC
CGGGTGGAGGAGTTGGGGTAGCNGGAAGCAGCTTCGGGTGGAACCCCGGGC

Sequence 3971

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCANCATGGGCGACA
GAGCAAGACTCCATCTCAAAATNAAGAAAGAAAGAAACAAAGAAAAGAAAAGCTTATATT
GAACTTCTCTAAAAAANGAAAAAANGAAAGCCTGATGCACACAAAAATTTAAATTTGGCA
AGTCCGATCAATTAAGGGATATTTATTTGCATCACAAAAATAATTCTTTACTCCCCCA
AAAATCAATAAAAAAGTTCAAATAGCCAACTTTTCCTAATGTGTTTTAAATGTAATCACC
AAATACATGTGTNCCCAAACTTTCTTTCCANGTTATAATTTCTATTNGGGTTAAAGTG
AGGGTATTACCCTTGAAGTTGGAGGCNAAATAAAGGAGAAGTTTTGANGCTTTNAAAACC
CTGCCTTGGAAGGAGCCGGNGTTTCTTTCTTTAAGAAGTTCTTGGNANGAAAATNGGT
TTGGGGGGGCCACCAAAAAATNTTTTAAATNCTTTTTTTT

Sequence 3972

AGGTACTGAATGTAATTTAGATTCTTCTATGTTAATCTGATTAATTATATTTTAAAT
AGCACATTACACTGTTTACTTGAATACAGCTAAATGTGTGTATATATGGACCACATAT
ACAAATATGGTCCCTTAAGATTATAATGGGGCCAGGCGCAGTGGCTCAGGTCTGTAATCC
CAGCCCTTTGGGAGACCAAGGTGGGCAGATCATGAGGTCAAGTAATCAAGACCATCCTGG
CCAGCATGGTGAAATCCCGTCTCTACTAAAAATACAAAAATTAGCTGGGCGTTGTGGCAC
GTGCCTGTAGTCCCAGCTACTTGGGAGGCAGGAGAAATCGNTTGAACCCAAGAGG

Sequence 3973

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGCGGTGGTTGGGTGGT
AAGATGGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAAA

Table 2

Sequence 3974

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCTTGCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTNCAGCATGGGCCGACAGAGCA
AGACTCCATCTCAAAATAAGAAAGGAAAGAAACAAAGAAAANGAAAAGCTTATNTTTGA
ACTTTCTCAAAAAAGAAAAAANAGAAAGCCTGATGCACACAAATCTAAATTTGGCAA
GTGCATCAATTAAGGGATATTTATTTGCATCACAAAATAATTCTTTACTCCCCCAAAA
AATCAATAAAAAAGTTCAAATNGCAACTTTTTCTTAATGTGTTTAAAAAATGGTAAATTC
NACCCAAATTCNATGGNGGTTCCCCAACCTTCTTTTTCTNANGTTATTAATTTCTTAT
TTNGNGGTNAAAGTTGGAGGGTANTACCCTTGGGAANGTTGGAGGGCCAAATNAANGAANA
GGTNTGNNGCCCTTTNAAAAACCTTGCCCTGGGNNGAANAAAAACGTNGTTTCNNTTTTTT
TTANAAAAGGTGNNGTNNGNAAAAATTGGTTTNGGGGGGCCCANAAATTCNNTTTCAA
NCCTTTTTTTT

Sequence 3975

CCGGGCAGGTACACTAATCCTACTGAGCCAAGTGATCATCTTTAATAAGACCTTTCCT
GAACTCACTTTGTTGGTCTCTCCCATCTTTGATTGTCCCGCAACAATAAATACTATAAA
ACAGAACTGTTTTAACTTGTGCCCTACTCAGTGACCTGATGAATACATTGGGAACAGT
CCTCCATGTGGGGAATCAAGTGGAAGTCCTTATTACATAAGTCCAAATTTAAGGAGA
ATAAGTCCACGATGAGTTTCTCATGCTTTGGCTGTGCATAGATGAGTCAGCCTTCTGG
GTGTGACTGCAAGCAGGGCTTGTGAGTCCTTCTCAGAGTCACTTTCAGGGGTTGNCT

Sequence 3976

AGGTACCTGACTCCTGACTCAGAACACGCTCTTGAAGATGTTGATCTAAACAAAGTTTAC
ATCCTCGTGGGCTTGTGGATGAAAGCATTGAGAAGAGGTGACATTTCAAAGGCCCGG
GAATACTCTGTCAAGACCGCACGCTTGCCAATCCAGGAATACATGGTCAGAAACCAGAAT
GGGAAAACTATCATTGAGAGATACTGGCCATCAATCAAGAGACTCACAACCTGGCCTGAA
GCATTGAAAGAAAGGAGTTTNTTCAGGAAAAGGCTATATTCTTCGGAACCTCAGTGGAAATG
ATGGGCCTAAGATTGCAGCTGCGTNGCCAGGTTGCTCACGCCGTTAATGCCAACACTTTG
GTAGACCCGAAGTGGGCCAGATCACCTGAGGTCAGGAGTTCCGACCAGCCTGGCCAACAT
GGTGAAACCTTNTCTACTGAAAATACAAAAATTANCCAGGNTGGTGGCGCATACCTGT
AGTCCCAGCTACCTTGGGAGGCTGAANGCAGGAGAAATCACCTTGTAACNTGGGNAGG
GCCGAAANGTTTGNCAAGTTGAGGCCCCANGATTTTNAACCCAGTGCCACTTCCATNCCTG
GGGTGACAGGANCCAANGAAGTTTCCATTNTTNAAAAAAAAAAAAAATTTNATTTATAAA
AAAA

Sequence 3977

GCCGAGGTACTTTAGGAGACCCAGGCGGGCNGATTGCCTNNCGTTTCGNACNTCTGCCCTA
TCAACTTTCGATGGTAGTCGCCGTGCCTACCATGGTGACCACGGG

Sequence 3978

AGGTACAAAAGAATCAGAAGTTTAAAAAATTAAAAATTATAAGCAAAAATGTTATAGT
ATGTTAACTCACTGAAGAAAGAAAAATTTGTCCAGGCGTGGTGGCTCATGCCTGTAATC
CTAGCACTTTGGGAAGGATTGGAGGTGTGTGGATCAATTGAGGTCAGGAGTTTGAGATTT
TTTAATTAATTTCTCCAAGAATNGTATACACAGCTTGCCATAGGTAGTNACTTTCTGCT
CCTATCCATGCGTGCATACGGCCCTTAANAGAACNCCCGCTCTNGAACTAAGTGGGANCC
CCCCGGNCTGCCAGGAATTTCCGATATTCAAGCTNTATTCTGANTACCCGNTNGNACCCN
TTGAGGGGGGGGGCCCC

Sequence 3979

TGAGCTGCACTTGTGACAAGCTGCACGTGGATCCTGAGAACTTCAGGCTCCTGGGCAAAC
GTGCTTGGTCTGTGTGCTGGCCCATCACTTTGGGCAAAGAATTCACCCACCAAGTNGCAA
GGCTGCCCTATTNAAAAAATTTGGTGGGCTGGGTTGTTGGCTTAATGCCCCCTGGGCCCC

Table 2

ACAANGTTATTTACTAAAGCCTCGCCTTTTCTTTGGCCTTGTCCTAAATTTNTTATTTAA
AAGGGGTTCTTTTGGNTTCCCTTAAAGGTCCCAACCTTNCCTAAACCTTGGGGGGGA
TTATTTANTTTGAAAAGGGGGCCCTTTTGANGCATTCTTGGGGATTTTGGCCCTAAATAAA
AAAAAAAACANTTTATTTTGCNAAAAAAAAAAAAAAAAAAAAAAAAA

Sequence 3980

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTNGAGATGGAGTTTTGCTCTGTCGCCA
GGCTGCANTGCAGTGGTGTGATCTTGGCTCACTGCGGGCTCCACCTCCAGGTTCAAGTGA
TTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCACCCGCCACCACGCCAGCT
AATTTTTGCATTTTGTAGTANANACGGGGTTTCGCCATGCTGGCCTNGACCTCCCAAAGNG
CTGGGATTACAGGCGTNGAGCCACCGNACCCCGGCCTCATTTTTGTTTTCTACTTTGT
NTAACTTTGGGGAANAANAACCCCAAAATTATTTTGTAGTTCAGCAAACATTGAT
TGATGGGGAACCC

Sequence 3981

TTTAATCATTTATTCTTCCTTCAGCGAGCGGGCACTTCCTGAGCAGCCACTGTATGCTAG
GAGCTGGCAGGAGGCCCTTGAACACTCTGGACTCAGTCTAGTGCTAGATTGATGATCAGG
CCATGACGATGCCAGGTGTGCATGCTGNGGAGCCTGGAACAAGTGCCAAGCCTGGNNGGC
CTTNTGGAGGAGNGCCTGCTACACCCAGCCTGGCAGGAGGCNGACGATCAGGTGTTATT
AAAAAAA

Sequence 3982

CCGGGCAGGTACGCGGGGCCCTTCCACCATGTGAGGACACAGCAAGAAGGGGCTGACTCTG
AACCAGGAAGCTGTGCTGTGCTCACCAGACACTTTGATCTTGGACTTCTCAGCCTCCAGA
ACTATGGGGTTCTGCTCTTGTACCCAGACTGGAGTGAAGTGGCACAATCTCGGCTCACT
GCAACCTCCGCCTCCCGGGTTCAAGCGATTCCCTGCCTCAGCCTCCAGAGTAGCTGGAC
TGCAGGCGCACGCCACCACTCCTGGCTAATTTTTGTATTTTGTAGAGACGGGGTTCA
CCATGTTGGCCAAGATGTTCTTGTATCTTCTCACCTTGTGATCCGCCACCTCAACCTNCC
AAAGTGCTGAGAGACTAAGACACCTTTCTAGACAGAGAGGAGGCCGATGGCAGACATTCT
CAGATAGGTTTGTAGCTATTGA

Sequence 3983

AGGTACTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TT
NANCNNGNNTTTNTNAAANNAANACNTNAAANCNTTTANNTTTTNAANNAAAAANANGG
GNNTTNTTAAAAAANNGGNAANCCANNANAAAAATTTTTNNTTTTAAANNNNNAANTTT
TTNAAANNTTTTNNCNAANNTNCCCAAANNNGGTTTTTTTTTNAANGGNAANTTTNACC
NGGGCNTTTTTTCNNTCNAANTGNNCCNAAAAANTTTTGGGGGGGNANAAANTTNGGN
AAAATTTANTTTNAANNNGGTTNATTNANAAAAAAAAGTTTNAANNNTTAAAAAAA
ANNNGGGAAAAAAGTTGNANTTGNCCNGGAAAAAAAANGGGCCNCTTTNCCCNCCNGG
NAAAACCNCCCNCCNNTTTNNGGGGGGGTGGTTTTTGNNGGGGANNNCATTTTTTTAA
AAAAAANNGGGGGGNTGGGGNCCCTCCNCCCAANNNGNCCCNCCCCCGNAATNTG
NCNNGGGGGGGNGTTTTANAAAAANNAAGGGGNNCCCCCNNGGGTGGGGNGNAACNNG
AANAAANNTTTTTTNNCCCCCCCCCCCCCGN

Sequence 3984

AGGGAGAAAACTTGGAAGCTTGCAAGTAATCTTCTGTAACATTTTATTGGCTGGATTACA
CCACATGCCCATACTAAACCACTCACTAGGAAAGCAAATGTAATTACTGNGATTAGCTT
AGAATAATGATTTCTCTTTTGGAGTGGGATTGGGGTAATGGAATACTGAATACCTAAAG
AACTTGTGTTTCTGCAGCAAGAAAGAAAAATAATGCTTATGCATAGGAAGCCAGCAAT
GTTTTCTGCAGGGATTCAATTTGAAAAATTTGAGCAGGGGAGTCACAAGATTAGATTTGA
GTNTCAGGGCATACTGGTTATGGNATAAGGCAGAGATTGGCAAACCTTTCTGTAAAGT
ACAGATAGGGGAATATGTTAAGCCGCTTGG

Sequence 3985

Table 2

GGGGCCNCCCCGGGGGCCAAGGGGTTTCNNCNGGNGNGGCCCTTCCCTTTTTTTGG
 TCCCGGACCANTCTTTTGGACCGAGNGGCCTTGCNGGTGGTTCTTGGCTTGCTTATTTTC
 TCCCGNNGCCTTTTCGCAAANTACCCGCCTTAANGGGNCCNACCCAGGAAAAGAAAGGAA
 AAGGGGACCCCTTGGGAAAAAGTTCTGGCCCCAAANAAAANGANNCAAAGGACCCCCNN
 NTNGNAACNNAAAATTCNCCGGGGGGGGGCCAAGGGGCCCA

Sequence 3986

ACGCGGGGGCGGCGACGACCCATTGANGTCTGCCCTATCAACTTTCGATGGTAGTCGCC
 GTGCCATTACATGGTGACCACGGGTGACGGGGAATCAGGGTTCGATTCCGGAGAGGGAGCC
 TGAGAANGGCTACCACATCCAAGGAAGGCAGCAGGCGCGCAAATTACCCACTCCCGACCC
 GGGGAGGTAGTGACGAAAAAAAAAAAAAAAAAAAAAAGT

Sequence 3987

TACTATGGNCGAATTGGAATCNCGGGTGGCGGCGCCGGCAGGTCAATGNCTCTTTCGCTC
 CCCGTTGCCCTCTGGATCACTGCTAAATCGGNGAGGCAGGCCCTGNCTCCTCAGCTTAGG
 CACCCACCACTGNCCTGGGNCAGTGAATCGACAATGCCGCTTCTGCTCGTGGGGCATCCT
 CCTGCTGNAGGCCTGTNCTGCTGGTCCCTGCTCCTGNTGAGGATCCCCAGGGAGATCCTG
 CCAGAAGAAGATCATCCACCATGATCAGGACACCCANCCCTTCANCAAGACACCCCCANC
 CTGGCTGAGTTCGCCTTCAGCCTATNCCGNCAGCTGGCACACCAGTCCAACAGACCAATA
 TCTTCTTCTCCAGTGAGCATCGTACAGCCTTTGCAATGTNTCCCTGGGGNCAAGGCTGN
 ACTCACGATGAAATCCTGGAGGCCTGAATTNAACCTCNGGAGATTCCGGAGNTCAGATCA
 TGAAGCTTCAGGAACCTCCGACCTCGGCCGTCTAGACTAGTGGATCCCCCG

Sequence 3988

GATATTAGGGAGTCGACGCGTAAGACGTGTTTTGCGACTCCGGAGCTNCCGCGCTGTTGG
 NNGCCGCCCCGGGCAGGTACCATCATCATTCTCTATTTNTACCTCGATGAGCAATNCAA
 CAAATTCCTTGANGGATTAGCCGACGTTAATTCATCGTCAGTNAGANTGTCTNCAATG
 AANTCANACTGAAATGACTGCAGCGTCTGGGAAAATTTCTGAACAGCENNAAGAATAATTT
 CTCATAGNGCTGATAAGCGCGTTGCCGTNTTGTATTACNTNTTNAATGAATTNGCTGNAN
 CTCTACAGTTCCTGCTNATAACACTTGAGCCTTTTNGNGGAAATCGNGGCTGTCCAGGTG
 GCAGTATGTTNNACTACAAATNGAGGATGACCCNTGGNTNTGANTCAGNGGGGGACTCCT
 GAGGAGCENNTGGCTGGGTTCCGACAGAGAAAGGCGCCCGNCCATGGCTTTNNGGNCAG
 GGAGAGCTAACTATCNTAGTTTGNCCCGGCANGGTGGNNGCCTTAGCAAGCAAAATTGTN
 CCCTTANGCATTGTNCTTNTCCNNGATAANGCCAGCNAAAAACCGNCANGCCCCNTNCC
 NTTTTCTTTGGGNNAATATAAGAACCTAGGGGGGATCCCCCGNNCCTGGGAAGGAAT
 TTNGNTNNTTACGCTTTNTTGGTTNCCGTNCTNCCTTNTTGGGGGGGGG

Sequence 3989

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCGGGCAGGTACGCGGGGAAATTAACA
 CCAGGTGGTGAATAGAGCCCTCCTAAGGTTGCTCAGGATAAATCATTTATTAATAGGT
 CTGCTTATCAGGAGGGGCGTGAAGGCTCCCAAAGGAAATGCTGGCACCTGGGCCAGAA
 GCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCACTGAAGTTGCACCCTACAAAGGGAA
 TATGGCCAAAGCGGCACTCAACTGAAGGCTGATATCAGGGCGATTAGACAGCCATGCATT
 CTGCGTTTGTCTGGAATGGATTGTAGAGAGATGGACTTATATGAGGACTACCAAGTCCCCG
 TTTGATTTTGATGCAGGAGTGAACAAAAGCTATCTCTACTTGTCTCCTAGTGAAATTCAT
 TCTCCAC

Sequence 3990

AGGTACATGGCCCCGGGTGTTGAAGGTCTCAACATAATCTGAGTCATCTTCTCTGTT
 GGCCTTGGGGTTGAGGGGGCCTCGGTACGAGCACTGGGTGCTCCTCCGGGGCCACGCG
 CAGCTCGTTGTAGAAGGTGTGGTGCCAGATCTTCTCCATGTCGTCCANTTGGTGACGAT
 GCCATGCTCAATGGGGTACCTGCCCGGGCGGN

Sequence 3991

AGGTACCAAGCCAGCAACACCAACCAAAATGCTACTCTCTTTAAAGTCCATTTTCTTCTT

Table 2

CTTTTTTTTTTTTTTTTTTNGGAGACAGCATCTCACCTGTCTGGCTGGTCTCGAACT
 CCTGACCTCAGGTGATCCGCCGGCCTNACCCTCCCAAAGTGCTGGGATTACAGGCATGAG
 CCACCATGCCAGACTTCCCATTTTACTTTCTGCAAGCTGTTTNCCTAGCAGCTCCCTCTA
 GGGGAGAGGTGAAATCTTGCAAGTTGTAGCAAGAGCACACAGGAAACCCCTAACTTTCCT
 ATACCCACCCGCCTCTTCCCTTTCTGTCCCGGGATACCTGGCGGGAAGAGACTTNTTG
 GCTATTGTCCATGCTCCCAGAATCAAGCATAAATGCCAGACACGGGCNATTTGAGAAGCC
 CAATCAGTGNACCCTTTTGGCAAAGCCCCCATTCACACCTGGGCACTTCCCTTTTACCAA
 TCCCTGGGCACAANGGGTTTNCCTTGGGNGAGCAAGGTGCNTNTNCCCTTGCNCCGGGGCG
 GGGCNGCTTTTAAANAACTNGGNGGATTNCCCCCGGGGGCTTGGCANGGGAATTTCCNAT
 ATTTAAAGGCTTTTTTGGAAACCCCGCCGAACCTTTTAANGGGGGG

Sequence 3992

ACTACTATAGGGCTTNTTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGCTTACAA
 GTCTTCTTGATCCTGAACTGGGTAGGTGCCGCTGTTGCTGCTCGTGTGAATCTAGAA
 CCGTAGCCAGACATGGGACTGGGGGACGAGCAAAAGATGCTTACCGAATCCGGAGATCCT
 GAGGAGGAGGAAGAGGAAGAGGAGGAATTAGTGATCCCCTAACACAGTGAGAGAGCAA
 TGCGAGCAGTTGGAGAAATGTGTAAAGGCCCG

Sequence 3993

AGGTACAAATCTGGCTGCCCCGTTTACTTTCTGAGCAAGCACTGGAGTCCACTCCGACCTT
 TTTCTTTGAACATGCATGCTGCTGGAATATGTATAATCAGAACTAGCAGAAGTAGCAGA
 GTGATGGGAGCAAAATAGGCACTGAATTCGTCAACTCTTTTTTGTGAGCCTACTTGTGAA
 TATTACCTCAGATACCTGTTGCTACTCTTCACAGGTTATTTAAGTTTTTGAAGCTGGGAG
 GAGAAAGATGGAGTAGCTTGGAAAGATTCCAGCACTGAGCCCGTGGGCCGGTCATGAGCC
 ACGATAAAAAATGCCAGTTTGGCAAACCTCAGCACTCCTGTTCCCTGCTCAGGTATATGCC
 GAATCTCTACTGGGGAAGCAAGCCCCAAAAAGTTAGACCAAAAGTATTTAATGGAGGTAT
 TTCCTTTTCTCCATTAAGTGCNAGGACTGGTTACTTCACTTAACTCTACCCAGGA
 AATGGGAAACAAAAGAAATATTTTTCTTGAAGAATTTTTTTTTTGAAGAATTAATTTA
 TTACCCCTATTNAAAAANAAAAACCTTGGTTAGGCCCTCCGAATGAAAAGGCCACCTTC
 AATCTTCTNTTCTANCCTAATTTTTTTAAAAAAAGTTTTTTAAGGNNCCTGGANCC
 CTTGGCCATTCAAATNCCATGCCCNCCCANAAAAGGGGGNTTTCCNCCACCCGGGCC
 CCCACTTCATTTANCCGNNCCAAAAGGGGGCCCTTTCTTNTNTNCGNNTTTTTTTTT
 CCCCCCGGGGCCTTTTTANTTTTAAAACTTTTTCCNTNTTAAAAAAAATG

Sequence 3994

AGGTACCGCGGGGATCTTAAAAGAGGTTCTTTCTCTGGGATGTGGCATGAGCAAACTGA
 CAAGTCAAGGCAGGAAGATGTGCCATCACAACCTATTGGGTTTCTGCTGCTCTGGGTTC
 CAGCCTCCAGGGGTGAAATTCTACTGACTCAGTCTCCAGACTTTCAGTCTGTGACTCCAA
 AGGAAAAAGTCACAATCACCTGCCGGACCAAGTCAAGAGCATTGGTAGTAGCTTACACTG
 GTACCTGCCCCGGCGGCCCGCTCTAGAATAAGTGGATCCCCCGGGCT

Sequence 3995

CTTCTTGCCCAAACCCGGCCCAATCTTTNGGAAGCCCTTTNGCAACTTCCCCGGCGTTAC
 CTTCGGGCCCCGCTTCTAAGGAACTAAGTGGGAATCCCCCCCCGGGGCCTGGCAANGGAA
 AATTCGGAATATCAAAAGCCTTTAATTCGNAAAACCCCGNCGGAACCCCTCNAAAGGGG
 GGGGGGGCCCCNNGGGGAANCCCCANGCCTTTTTTGGGTTCCCCCTTTTAAANATNGG
 AANGGGGGTTNAAAATTTGGGCCCCCCCCCTTTGGGGCGGTAAANTCNAATNGGGGGCAA
 AAAAGCCTTGGGGTTTTCCCTGGGGGGNNGGNAAAAAATTGGGTNAATTNCCCCGCT
 TTCANCAAAAATTTCCCCCNCCCAACCATTTACNGANANCCCCGGGGGNAAGCCNT
 TTAaaaaangnggggaaaaaangnccccnngggggggggggggggccctnaaaagnnga
 aggggggnaancccccaaacccccaccaaattttnaaaaattngggcgcgttgggggg
 cccctcnaaaatgggggncccccgcttttttccaannggggggggggnaaaaaaac
 nctttttnntggggcccccacctttggngtttttnaaaaagaanaaaaaangggggg

Table 2

CCNAAAAA

Sequence 3996

ACCCGGNNGGGGNGGGGCTGGGCCCCGCCCCGGGGGCAAAGGGCNACCCNATNTTTTNNN
CNCCCCANNNCNCNNNGGNNGGGGGGGAAGGGGTTTNANGGNAAGAAGGGGGNNGGN
NNGGAGCCCCNNGGAAACCGCCANNNNCTTTAAAAANNGGGGGGGGGCCNGGGCNNANAA
ANGGGCCCNACCCAAAAGGGGGGGGGGNAAAAAAAAAANNNNNNNNNNAAACNGCNCNCNC
AAAACCAAANGGGGGGTNNNGCCCCNAAAGGGGGGGCCCCAAAAAAGAAGGCCNNGGGCC
NCCCCCNCNTTGGGGGGAACNAAACCAGGGGNNAAAAAAAAAANNAAACCAAAGGGGGGGG
GAAATNNAAAAANGGGGGGNCCGGGGGGGGGGGCCAAAAAAATTAAGGGGGGGGGGA
AACCAAAAANAATCCCAAAACCTTNGGGGGGACCAANCCAGNNCNAANTCNACCCC
AAGGGCCCCCGGNAANGGGGNTTNGGGGCGGGCCCCCNAACCCNAAAAAAAAA
ANCCNTNNCCCCCANCCAANAANATNNGGGGGGCCCANNCANNAANACGGGGGGGGGGG
GGGGCCCCCAATTTTAAAGCCCGGGGNCCCCNAAAGGGGGGAAACCCCCCGGNGNCC
GGGGGGGNANCCGGGGGGGGGGGGGCCAAAAAACCCCNNGGGGNCCCCCCCCCCCC
TGGGNNAAAAAGGGGAAAAANTNCCNANGGGGNAAAAAAAAAANCCCNANAAAAACCCC
CAAAAAAAGGGGGGAAAAAAGGGGGGGGGGAAAAAGCCCCCNGGGGCCAAAAAA
AAAAAANNNCNCNCCGGGGGGGGGAAAAAANNNNGAANAANANCTNGNCCCC
CCNNGG

Sequence 3997

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGTATGTTAATATC
CTTATGGTTACAAGAAATTAAAAAAGTTTAAATTTACACATATTTTAGAGTGACCAATT
TAGACTTTTAAGCCTAAGATTACATTTGGATAAAATTTGGAAGCTGAGGTATAAATAA
GATATAATTTAAGGAAAAAAGAATTAATGTGAAATGTCCAAGCATCAAAAAGGAACTT
GTTCATGTATTTTATGTCAATATCCAGCACTTTGGGAGGCCGAGGTGAACGGATCACTTGA
GCAGTGGCCCACTCCTGTAATCCAGCACTTTGGGAGGCCGAGGTGAACGGATCACTTGA
GGCCAGGAGTTTGAGACAGCCTGGCCAACATGGNTGAAATCCCCCTCTCTACTAAAAATAC
AAAAATTANCCAAGCATGGTGGTGGGTGCCTGTAATCCAGCTCTCCGGGAGACTGAGA
CAGGGAGAAATCGCTTTCAAACCCAAGAAG

Sequence 3998

CCGGGCAGGTACAGGCCCTCAAGCCCGGGCTTGTTTTGGCCGCGACGTCACTTCCGATTT
CTTCTTTTCGCTTCTCGGCTAAAAACGTTCCGCAGCAATGCAGCTGAACTTTCCGGTTT
TCTTTTTTTGTCCCTCTCTCCTTTTTTTAATATTTTGTTTTTGCCGCTTTACGCTC
CGAGGCCCATCCTGCCGGAGTACCT

Sequence 3999

CCGGGCAGGTACCGCGGGGCTGTCAGGTTGTGCTTCCGGTGCGGAGGTACAGGACAAGA
TGGTGCCACCGGTGCAGGTCTCTCCGCTCATCAAGCTCGGCCGCCCGGGCAGGTACGCGG
GGCTGAGCAGTCGGCTGTGACTCTCGACAATGTAACCTCTGCAAATCGATGGAGTCCTTTA
CCTGCGCATCATGGACCCTTACAAGGCAAGCTACGGTGTGGAGGACCCTGAGTATGCCGT
CACCCANCTAGCTCAAACAACCATGAGATCAGAGCTCGGCAAACTCTTCTGGACAAAGT
CTTCCGGGAACGGGAGNCCCTGAATGCCAGCATTGTGGATGCCATNAACCAAAGCTGCTG
ACTGCTGGGGGTATCCCGCTGCCTCCGTTATGAGATCAAGGATATCCATGTGCCACC

Sequence 4000

CCGGGCAGGTACCTAGAATAAGTGAGAAAGTGGGGGAAAGGGAGCTGATTACCCGCGCCC
AAGCCGTTCTGTTCTTAAGAGCCCTGCACCGCGCCACCAGCTCCCAGCACAAACAGCTC

Sequence 4001

CCGGGCAGGTACGCGGGGGGAGTGCTCCCAACCAGAAGATGAGGGAAATGGAGATAATGA
AGCACGTCCTCTACCAAACACGATAAATCTACAGGCACTGTAAGATCAAGAATTTAA
GATTATTTTGTCCACCCTATTTTACAGAGTAATCAAGTCAGAGGATTATGACTTTT
ATCTGCCTAGAGAAGAACTATGGATCTACAACATGGAGACTGGAAGATGGAAAAAATCA

Table 2

ACACTGAAGGTGATGTTCTCCTTCTATGTCAGGAAGCTGTGCTGTGTGTGTAGACAGGG
TGCTGTACCT

Sequence 4002

CCGGGCAGGTACAGGCTAGACTCAGGATCGCCCTAAGGGAGTTGGCATGGAAGATTTTCAG
AGCTGGGCAGACTGGGCGGGGACCTCTCATCTGTGTTTCTGAGGGTCACCTAGCCTCTT
TGAGCCTCCGTTCTCCATAGGTGAAAGGAGTGTATCATATCTGCCTTGACAGGGGTGTTGT
GGGACTCAGAAGATGTCCATAACATCTATGCCAGTGTAGAGTAGGAACTGGGAAATAAT
ATCCATTACTGTGATTTTGTGAGGAGTTCCAGATAACTGCTCAGGTCTTTAAGAGAATTC
CTTGGTCTTCATACTCCACTCCCAGCTCTCAGCTCCCGTTCCTTTTCTTCTCTCCCCAG
TAAGTCGTTGAACGTCCCCGCGTACCT

Sequence 4003

AGGTACCTGACTAGTGTTTTATTTGAAAGGGAAAAATAAAGACCACCCCATGCATTGTCC
ATCCCATGAGGCAGGGCTGGGCCATGCCAAGACAATCTCAAGGAATGGAGGTCCCTGAGC
CTGGGAAGACATTTGAACTCAGATGTATCGCCTGATGCTAGGAAGAGGGGCTCAGTATGG
CAAATCTGGAGGCTTTACCCTAGGCAACCGCAGGGAGAGCAGGCAGGAGCTACCCCAAGT
ACCTGCCCGGGC

Sequence 4004

CCGGGCAGGTACTTGACGCCCTCGGCCAAACGGCCANACGCCGACGTCTACCNGCAAAAA
CTGNTTAGANGNTTGATAGCTGTANGACTGGGTGTTGCAGCTCTTGCAATTTGCAGGTGCG
TACNGCATTTTCGGATCTGGAAACCTCTAGAACAAGTTATCACAGAACTGCAAAGAAGAT
TTCAACTCCTAGCTTTTTCATCCTACTATAAAGGAGGATTTGAACAGAAAAATGAGTNNGC
GANAAGCTGGNTCTTATTTTAGGGCGTAAGCCCAATCTGCTGGCAAGGCTNAGAATTAGA
ACAAGCCTCATTAGGGAGGAGTTTCATGGATTTTTGAATTACCCCAANGAATAAAAGGNG
GGGATCCTTCCCTTTTACGTTANGGCNAGCTCTCANTNAGNNTTAANNNGNANATTTTNA
GAATTAGNNANGGGTANCCNCCNNGGGCCCCGCTTTCTTTNAGAAACCCTATGGNNGGGA
ATTCCCCCCCCNNGGGGGCCTTGGCAGGGGGAANTTTCCNAAATANTNNNAAAGCCTTTTA
TTCNNGGANTAACCCGGTNCGGNAACCCCTTTTATAGGGGGGGGGGGGGCCCCCNGGTTTNC
CAAGGNTTTTTTTGGT

Sequence 4005

AGGTACGCGGGCAAGGAAGAAAAGGTGGTTGGGATCCATATGCAGGGACTTGGGTGTGAT
GAAATGCTACAGGGTTTTGCTGTTGCAGTGAAGATGGGAGCAACGAAGGCAGACTTTGAC
AACACAGTCGCCATTACCCCTACCTCTTCAGAAGAGCTGGTCGNACTTCGTTGAGAACCA
GGAGACACGTGTGGCGGGCAGTGGGACCCATAGATCTTCTGAAATGAAACAAATAATCAC
ATTGACTTACTGTTTGAGTTTTATGNATTTCTTTATTTTAATCAGGATCTTCTGATAGTG
GAAATTTTTANTACCTGCCCGGGCGGC

Sequence 4006

AGGTACTTTTTNTTTTTTTTTTTTTTTTTATGGAACCAAACCCAGGATTTGAGTTTTGT
TTAATGACTGGGCTAAAAATCACAATGGAGAATGAATATAAAGGAAAAAAGCAGGGA
TGATTTTAAAAAATATTATCCTTTCCCCCATGACTTCATGACAGGGAGAGTTAAGCGAG
CTCTGTTGAAATCCATCTGTTTTAAGNGGCTTTAGTCAGGGCCTTTGTTTTACAAGGAA
ANGGCAATTACNACNGGTTTTGATAAGGATGCTCTGACANAATNTTTTTTTCATGGGAC
TGCTTTTCATGATGCAGCNCCTTGCAAGTATTTCTCTTTCTTGAAATCACTGGTATTGC
CCTTTATTAATCCACTTGCCCTTATTCTTATTAGG

Sequence 4007

ACTGGAACAGCCAGAAGGACATCCTGGAGGAGAAGCGGGCAGTGCCGGACAGGATGTGCA
GACACAACACGAGCTGGGTGGGCCCCATGACCCTGCAGCGCCGAGTCCAGCCTAGGGTGA
ATGTTTCCCCCTCCAAGAAGGGGCCCTTGACAGCACCACAACCTGCTTGTCTGCCACGTGA
CGGATTTCTACCCAGGCATGCATTCAAGTCCGATGGTTCTGAATGGACAGGGAGGAAAC
AGCNTGGGGTCGTTGTCCACCAACNCTGAATCCCGTAATGGGAGTACTTGACCTTTCC

Table 2

AANAATCNCTGGGTTGATGCCTGGGAAAATTGACNCCCCAANCAAGGGGGAGATGTCTA
CACCCTGCCNAAGNTGGGNAGCACANCCAAGCCCTTGGATAGNTCCTGTCAACCCGTGGG
GAGTTGNGAAAAGGCCAACAAAGTTCTTGATTTCTTGCCCGGGAAGTTAAGNAACATTTGA
CCGGGGGAGGCCNTGGGGGGGCCCTTCNGTTGGCTGGGGGGCTTCAATNATTTTGGTGGGA
AGTGGGGCCATTTNTTTTCATT

Sequence 4008

CCGGGCAGGTACCGCGGGGTAATCTTAAAAGCCCAGGTTACCCGCGGAAATTTATGCTGT
CCGGTCACCGTGACAATGCAGCTGAGAAACCCAGAACTACATCTGGGCCGCGCGCTTGCG
CTTCGCTTCTGGCCCTCGTTTCTGGGACATCCCTGGGGCTAGAGCACTGGACAATGGA
TTGGCAAGGACGCCTACCATGGGCTGGCTGCACTGGGAGCGCTTCATGTGCAACCTTGAC
TGCCAGGAAGAGCCAGATTCTGCATCAGTGAGAAGCTCTTCATGGAGATGGCAGAGCTC
ATGGTCTCAGAAGGCTGGAAGGATGCAGGTTATGAGTACCTCGGCCGCCCGGCGAGGTAC
GCGGGAGCCAAGAGGCGGATAAGTGCCCCACCTTAGAACAGTATGCCATGAGAGCGTTTG
CCGACGCACTGGAGGTCATCCCCATGGCCCTTTTCTGAAAACAGTGGCATGAATCCCATC
CAGACTATGACCGAAGTNCGAGCCAGACAGGTGAAGGAGATGAACCCTGCTTCTGGCAT
CGACTGTTTGCACAAGGG

Sequence 4009

AGGTACAAACAAGCCCTTAATCAAGTCTCTAATCTAGGGACAGTAACATCGGCTATTTGA
GTGCAGGCACCCCTAGGTTGTTAATGTCTGTTTCCCAACACTATTCCATTCCAATATTTT
CTTTACCTAAAGTGGGATAATGATCATAAAAAAACAATAATTTTCTTACAACACT
GCTGATAACTAATAATCACACAATTGCATGTAAGTTAATCTTTAAATTTAATCAGTCAT
TTATAAACTCCCAATTAGTAAAGTTGGCTTATTTTAACAGCCTTAAACATTGGCCAC
TATTTAAACAAGACATTCTAAAAAAGCAATCACATAATAGTTTATAGTCATTTAC
AAGTGGATGGTATACATTTAGATACAGAGGTAGAAGTTCACCTTTACAATGTTTCACTAA
TACACATATACCAAATTCAAGGCACAAAATAGTTTGCTTTACAAAAAATACTGTAAAA
ATGTCATTTGCTGTTCTACAATGTGAATAAACCTTTCAAAGAATCTTTACACCCCTTACA
TACATATGCCATAGAATAAGATTTCTCCTCTCACTAATCATAGTGGCACAAAAATNGGG
GACTTTTCAATGTAGAAGTTCCCATTTTAAAAA

Sequence 4010

TATACCTTTGNANTCCATTGNCCTATTTCACTGCCNGAATAACTTGCTATTTGCTCTCC
AAGCACACTTTTGACTATTGACTCCNGACACAACTTATTTGTATATTCTACAAATTATT
ATTACAAAACATATAAACATTCTTGGAAGTATGCATACAGTATCATATAAAATATTTT
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CGCAAGCAGTAAGTCCATGTAAGTATCACTCTATCAGGGTGTTCTCTGGCTCTACCA
CTCGGGAG

Sequence 4011

AGGTACACTGTAATTTAAACATTAGAAATAGAATTAAAGTGTTTTATTTCATTGTAAAA
ACAAAGTAGTTTGAATAGGGCTTGCCTTTTTTCTGGCAAGTAACCTACCATACTGAGTA
AGCATCTTTTATGTTACGGCAAACCTGCCATACTCCTTCTAAGTTTGGGTCAGCTTCCAC
CCTTTTATTGCTTGTGCTTCAATGTTGTGAAATATTTCTATATTCACATTAAATATCTT
TTAATGTAAAGTTTTTTTTTTTAAACCATCACTTCTCTGGGACGTATCTGTCTTTATTG
CAACCACTTTGCTTATTTGTGTTGGTAAGTTTGCCTTCACTAAGCTCCTATGAATACACA
GCAGCAAGAACAACATTTCCCATGGTCAGTGAAGTCTTCTACAAATTCATTTATGTTTGAT
TAAATTTCACTTCCAGTGTTATCATTTTTTATTGCTTTGCTGCACTTTCATCTTTGTTG
ACCANGTTCTTTGAGGTGTCACTTCTATAGAAATGGCAAAGTNGATGACAGAGAAGACA
GCCNTAACTACCATGCTCTGGCTGGACCTGGCCCCGGCGGGGCGCTTTTAANAACATAAGT
GGGAANCCCCCGGGCCTGGCANGGAAATTCNANTATCAAANGCCNTANTCGGATACCCG
GCCNAACCCTCCNANGGGGGGGG

Sequence 4012

Table 2

ACTTTGGCCTCTCTGGGATAGAAGTTATTTCAGCAGGCACACAACAGAGGCAGTTCAGAT
TTCAACTGCTCATCAGATGGCGGGAAGATGAAGACAGATGGTGCAGCCACAGTTCCTGTG
ATGTCCACTCTGGTCCCAGGGCCGAAAGAAATCAGAGTTTGATACTGTTGACAGTAATAT
GTTGCAGCATCTTCAGGCTGTAGGCCATGGATGTTGAGAACAATTTCTGTCCCAATCCA
CTTCCACTGAATCTTGACGGGACCCCTGTGTGTAACTCGACACATCGTAGATCAGGAGT
TCAGGGGCTTTCCCTGGTTTCTGCTGATACCAATTTAAATAGGAGACAATGTCCTGAGTC
GCCTGGCAAGTGATGGTGACTGTGTCTCCACAGATCCCGCGT

Sequence 4013

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTACTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTAAAAGGGTTNGCTNAAAAATNTTTTNACTGATAGGCATGGCTNC
NNAATNNTTGANTNTTAAAGGCCAAAGGAAAATGAGGCCTGGCCTGGNANCCCTNTNCNT
NTAAACCNATTTAANTTTTCCCTTCCCTNGAAAAAAAGGGTTT

Sequence 4014

AGGTACGCGGGGTTCTTACCTCAGAGCTGAGCTGGGCATGAGTAGATGCTCAGTAAGTGG
TGCACAGGGTTGGTCCCTATGGTGGAGGCCCCCTAACACCGCCCAACCCCCCTCCATGTT
CTCACAGCTCCACGCACTGAGCACGGGCATGAAGGCCATGATGTCAGAATTCTGCACCCA
GGGAGCTGAGATGTACCGCAGGGCCTGTGGCGGACATGGCTACTCAAAGCTGAGTGGCCT
GCCATCACTGGTCACCAAATTGTCGGCCTCCTGTACCTGCCCG

Sequence 4015

ACGCGGGGCCCCCTTCCATGCTGTGGAAGCTTTGTTCTTTTGTCTTTCACAATAAATCTTG
CTGCTGCTCACTCTTTGGGTTTCGCACTACCTTTATGAGCTGTAACAATCACCGCAAAGGT
CTGCAGCTTCACTCCTGAAGCTAGCAAGAGCACGAACCCACTGGGAGGAATGAACAACCT
TGGACACGCTGCCTTTAAGAGCTGTAACTGACTGCGAAGGTCTGCAACTTCACTCCTG
AAGTCAGTGACACCATGAACCCACCAGAAGGAAGAACTCTGGACACATCTGAACATCTG
AAGGAACAAATTTCCAGACACACCATCTTTAAAAACTTTAACACCCACTGTGAGGGTGCCT
AGCTTCATTCTTGAAGTCAGTGAGACCAAGAACCCACTGGAAGGAACCAATTCTGGACAC
ATTTTGGTGACTACGAAGGGACTATCACCTATTGCCAAGCAGTGAGACTATCACCTATCA
CCAAACATCTAGGAGGACAGGCAAGGGTGCA

Sequence 4016

AGGTACGCGGGGGCCCCCTACCAACATGGCCGCGGGCTGGAAGTGCGCATGAGCAGCTGT
CTATGGAGATGCCTAGGCCGGGAGAGGGAGAATACAGTTGGAGAAAATCGGCAGCTGAGA
CGGCCTTGGCCGGACTTAGCACTCAGGCCTGTGAATCAGGAGATACAAAGACCTCCAAA
AAGGACCAGTTCCCTCGGATGTGCCCCCTCACAGAGAGATGAAGGGGCGAGCAGAAACAGC
CGAAACGGAAGAGGGGACAGTGACAGATTAGGAAGGTGAGTGGCTACTGGGGAAGACCC
AACCAGTGTGGCTATTGCCAGCATCCAGTCAGCTGCCACCTTCCCTGACCCCAACGTCAA
GTACCTGCCCG

Sequence 4017

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGANATGGAGTCTGGCTCTGTGCGCTA
AGCTGGAGTGCTGGAGTGCACTGGCATGATCTTGGCTCACTGCAACCTCCGCCTCCCGGG
TTCAAGTAATTCTCCTGCTTCAACCTCCTGCATAGCTGGGATTACAGGTGCTCGCCATGA
TGCCCGGCTAATTTTGTATTTTAGTANANACGGGGTTTCGCCATGTTGGCCAGGCTGG
TCTTGAGTTTCTGACCTCAGGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTAC
AGGCGTGAGCCATCATGCCGTCTGTCTGCCCTTANCAGTATTTNTTGAGCATTTTCT
GGCTTGGTTTTAGGGAGTTGGAACCATCATNTGTCTTTCAAGGCCCATCTCATNTGCAGG
CTGTCCATGACTAAAATGTGGGGCGAGACTCTCAGCTCATCTTCTCGAGAATGGCTAT
TTTTAGCCTGAGTTTACACTCTTCATCCTTTTTT

Sequence 4018

CCGGGCAGGTACGCGGGGATTTCCAACAAGAGCACTGGCCAAGTCAGCTTCTTCTGAGAG
AGTCTCTAGAAGACATGATGCTACACTCAGCTTTGGGTCTCTGCCTTTACTCGTCACAG

Table 2

TTTCTTCCAACCTTGCCATTGCAATAAAAAAGGAAAAGAGGCCTCCTCAGACACTCTCAA
GAGGATGGGGAGATGACATCACTTGGGTACCTCGGCCGCGGGCAGGTACGCGGGGCAC
TTGGCTTCAAAGCTGGCTCTTGAAATTGAGCGGAGAGCGACGCGTTGTTGTAGCTGCC
GCT

Sequence 4019

NCCGGGCAGGTACAAAAAAGTNGANAAATTTTCTCANAGCTTGTCAGATGTGGGAACTG
AACTTCATTGCTCTACAATGTTGGCTCAAGCAATGGCTAATTTATTANTGGACAAATCTA
AAAACGGCCAANGAGCAAATCCTAAATGGGAAAATGTTATAATTGTGGAAAAATCGGAC
ACTTCAAAAAAGAATACCGTCAGACCTTTGGGCAGAAAGGGATCTTATAATGCAGCCCCC
ACCCAGAAAAAATGCCAGGACTTTGCCCTCATTGCAATATAGGAAATACTGGGCTAGT
CAATGCCACTCAAAATTTTCATCAAGAATGGCACCCCCCTGTCGGGAAACGAGAAGGGGGC
CTGGACCCGGGGCCCTATAACAATGGAGGCATTCCCTGTCCAGCCCCACAGCCCCATCTTA
AGGATAG

Sequence 4020

AGCCCTGCAGGCCTCTGCCCTGAAGGCCCGGGGCGGGAAGAAGGAGAACCTGAAGGCTGN
NCAGGAGGAGTATGTNAAGCGAGCCCTGGCCAACAGCCTTGCTGTCAAGGAAAGTACCT
CGGCCGNTCTAGAAGTAGT

Sequence 4021

AGGTACGCGGGGGAGCAGCCATTGAAGCGGAAGGAACTGCGGGTGTGTGTGTGTATGTGT
GTGTGTATGTGTGTGCGCNCGTGCGTGCCTGTGTGTGCGCGCNCCTAGTGTGTGGACAAGG
AGGTGGGGGCAACTGAGTTAANAGNCCCAACTCTTGGACTCCATTTGCTATTCTCTTCTT
TCTCCCCACACCNATCTTGTGGTGGTAGNGGGCCNTTATTTTGCNGTTCCTTTTCAT
TCATTTCTAAATCTCTTAAAAAATTTTGGGTTGGGGGGTN

Sequence 4022

TTGGAGCTCCACCCGCGGTGGCGGNCCANGTACCANATNCCTGNCATTCAACAACCTTNCC
CTTCCAAGAGGGNGCTGATCACAGACTTTTTACTTGTAAATGGGGCCAAGAAGAGNCAGTT
NCTTAACTAATNGAGTTCTTTTATAACAAGAGACTGCAGATATCNCACAGAAAGAAT
ACCGGTTGTATGTTTCTGAATTATTACTAAAAACATTTNTTTAA

Sequence 4023

NCGCCCGGGCAGGNACCTTGTTGGGCATTAGGTGATTGTAGTTATACACTTTNNCAAAAGA
TTTTATCTTTGATCTCTTGGCGATCTTCTTCTTGCCCATGGCAGCTTGTCACCTTTGCGGG
GGTAGCCGGTCAATTCAGCCACCAGAGCATGGCTGTAGGGGGCCGATCTGAGGTGCCATC
ATCAATGTTCTTTCAGATGACAGCTTTGGGTCCGAGTTAGCCGTTCAGCCAGGACAAA
GCACCACNCTTCCCAGGTTTCATGAACCTTGCCCATTTTTTTGGCAGCAACCACCCCGGGGC
CCTACCAGCAAAAAAAGGGAAAAAAGGGACCACCTTTCNCGCTTAACCCCCCGCGGTT
ACCTTTGNGGCCGNTNCTAGGAAGTAGGTGGGATCCCCCCCCGGGGGCTTGCCAGGGAA
ATTCCGTATTATNAAANGCTTTATTGNAATANCCCGGTNCGACNCTTCCGAAGGGGGG
GGGGCCCCCGGTATACCCCANCCCTTTTTTTGGT

Sequence 4024

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGAATTTATCATGGATT
ATTGACTGCTGAGAAAGGGACAGTGGAATTTAGCCATACCAAGGACTATACTGGAAACAG
ACTTCTGCTGCTGAATGTGCCCTGATGTGACCAGGTTGCACTTGGAAGAGATCCTCGCGT
CTTCATGAGGCACCTTAAAGCTTATAAAGAACTGCGGCTGGAACCTCATCTGGTGCTCCCC
ATGAGAGTGCTCTGCTTGTAGACTGGCCAGTGTCATGAAACAACCTGTAATACCAACAT
GTGTGCATGGGTCAACAGTCTTGCCATTTCTCATCAAAGAAGCCAAATTCATGATCAA
CATCTCTGAAGTTTCAAGTAAGGTCCACACTTCTTTGAATTACTTTCATGGGCCACAT
TAGGTTGTGCTGTGAATTACTTAAGGCAGTGATACTGATGTAGTATAGTTTTGTCTTAAT
TTCCCTTATTTCTACTTCTTTGG

Sequence 4025

Table 2

ATTAAACAAATACCAAGGGGAACAGTTNACTTCAATACAAGGTCAAATCAGCAACAAGT
TCTACAATCCAGTGCTGATATCAGGTACAAGCTTCAAGGACAATTTCTTTTGAAGGCTT
ATTCCAGTTTCGTGAGGCTAGCATGAGGTGTGTGCATTTGCCAGGGGCAAATTTCTATT
TCAATTAACCCATGCAGCAAATGCTACGCATCTGCTGAGTCCGTTTTANAAGCATTGCT
GGTGGGACGATGGAGGGGGCCCCGACTCGTCTGCTACCTTGCCCGGGGCGGCCGGCTCTAGA
AACTAAGTGGGATCCCCCGGGGCTTGCAANGAAATTTCCGATATTCAAAGCCTTTATC
GATTACCCGGNTNGAANCTTCNAGGGGGGGGGGCGNCCGGGTACCCCAAGCCTTTTTTGG
TTTC

Sequence 4026

ATACGAGCCGGGAGCCATTAAAGTGTAAGCCTTGGGGGTGCCTAATGAGGTGAGCTNA
CTCACATTAAATTGCGTTTGCCTCACTGGCCCGCTTTTCCAGGTCNGGGAAAACCTGGT
CGTGCCAANTGCCATTAAATGAAATCCGGCCCAAACGCCCCGGGGGANAAGGCCGTTTT
GCCGTAATTTGGGGCCGCTTCTTTCCGNTTTCCTCGCTTCAATTGNACTTNCGCTTGGC
GCCTTCGGGGTCCGTTTCCGGGNTTGTGCTGGCGNANCCGGGTATTCAAAGCTTNAANTTT
AAAAAGGGGGGGGTAAANNACNGGGTTANTTCCANNAAAANTNAAGGGGGGANNAACNCC
AGGGAAAAAAAACATTNTNGGANNNAAAAAGGGCCCANNCAAAAAAGGGCCANGGG
AAACCCGT

Sequence 4027

AGCAAGGAGGGCTGGAAGTTGTTAGTCAGAGTGTTGAAGCACCGGTGGCTCAGCATGGCT
ATCTGGTCATGGAAGGTGCTGCCAGTGAGAGGGAGTGCTTTGGCTGTGCTTCTGGGGAC
CTTGAGAGGAGGAGCATAGTTCTTCTGAGACTGGCCCTGTCACTGGGGTTACCTCTGTG
AAACCCATGCNTTCTGCCTTCTCGTTCTCCCAATCAAGACACGGANAGCCGCATNTGCC
TGCTTCCTGCTTGCCCTCCCGCGTACCTCGGGCCGTCTCTAAACTAAGTTGGATCCCCC
NGGCTAGCAGGAAATTTCCGATATTCAAGCTTATCCGNTACCGCCCTAACCTACNAAGGG
GGGGGGGCCCCNNGGTACCCCAAGCTTTT

Sequence 4028

TCCCCGCGGTGGCGGCCGAGGTACTTTCAATGTTGCCTATAAACAGATTTCAAGTGAAGC
TCAGATGGTAAGGTTAAGATGCCTGGGGACTGGGATGGATGGATGGGCAGGAGGGTTGGA
AGAGAAGTAATCCAATTAGCATTGAAAATAAGAGCGCCAATTTGAAAATCGAATGTCTA
TGATCATTTTCTTCCCTAAAACAGGGAAGAAAGTGAATGTGAAAATCCGATTTTTCAGC
AATATTNGCANGACCTAAGGCAACAACCATGCCTGGGGCAACTATACTTTCCAAATCC
TGAATATTAAGGTTTTCACATTGGTAAATCATCTTAATATTTTCTGTTTTTTAGA
ATGAAGTTTGTCTTGTGCCCAGGCCTGGANTGCAATGGTGCAATCTTGGGCTCACCT
CAACCTNNTGNCTTCCGGGTCAAGCGATTCTTCTGCCTNNGGCCCTCCCCAAGTANCTG
GGATTACAGGAAACGTGCCCATTCACCCCTNNGGTTAAATTTTG

Sequence 4029

GCTCCACCGCGGTGGCGGCCGNGGTNCGCGGGAGTCCCAACCAGGACACAGCATGGACA
TGAGGGTCCCTGCTCANCTCCTGGGGCTCCTGCTGCTCTNGCTCTTCAGGTTGCCAGGG
GTGACATNCATATGACCCAGTCTCCATCCTCCTGTCTGCCATCTGTAGGAGACANAGTC
ACCATCNCTTGCCAGGCNGAGTCAGGACATCANGTAACTA

Sequence 4030

CCACCGCGGTGGCGGCCGAGGTATCCCAATTCTAAAATAAAGGTTAAAAAGAAAAAGA
TATTTCAAGCATCACTTGTTTCATCTTACAAGGGCATTGTAAATAATAAAAGATAAAAGT
TAAGAGATAGGAAAAGAAAAAAGGGAAAAAGAAAAAACCCTCATTGGAGTCCTGTTC
TGCCCACCCCCTGGAGTTACTAAGTAAGCCCAACTTAAGGGTCCCTTGAGCTCCANACTG
TAAAGCCCCCAAGGCAGCATTATCCACACCCACCTTATCAGGATCCTCAAAGCAATTTCT
TTCTTAAANTTTGGGTAAGACCCGGGGNTAAGTNTAATTTCCCAATTTCTNTGCAAAAT
GGGGGGGAAAAACCTTGAAGGACCTNNACGAAAAAAGGNANCTTGGNCCCCGNGGGCC
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Table 2

AGGGGAAAATTTNCGTANNTATTNCAAANGNCTTTTAATTCGGAATTACCCCCGGTCCGA
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Sequence 4031
CCGGGCAGGTACGCGGGGACTTCCGGTTCTCTGTCTGTCAGTCGCGAGCGANCGACCAAGAGGG
TGTTGCGACTGCTATAGCCGAGCGAAGCAGATGCCTAAATCAAAGGAACCTGNTTCTTCAA
GCTCTTNTGGCAGTGATTCTGACAGGGAGGTTGACAAAAAGTTAAAGAGGAAAAAGCAAG
TTGCTCCAGAAAAACCTGTNAAGAAAAAAAAGACAGGTTGAGACTTCNAGAGCCCTGTCA
TCTTCTAAACAGAGCAGCNAGCAAGCAGAGATGATAACATGTTTCAAGATTGGGGGAAAA
ATGAGGGTACCCNTCGGGCNCGGCTCTANGAACCTAGNTGGGATCCCCCGGGGCTTGCA
ANGGAATTTGCGATTATCCAAGGCCTTTATCCNGATTACCCGGTCTGACCCCTTCAGTAGN
GGGGGGGGGGCCCCCGGGGTACCCCCAAGCCTTTTTTNGG
Sequence 4032
AGGTACCACACACACGGCCTGTGTCTTGTCTACTGGTTCTTGTGTGATAATCACAGGGA
CACCGATCATCCCTTTGTCATGGACCCACAGCTGCAGGTGGATTTCATACCGAGATGA
AGGAAGACTCAGACATCGCCTTCCATTTCCGAGTGTACCTGCCCG
Sequence 4033
TATCAAAGAAGAACATGTGATCATCCAGGCCGAGTTCTATCTGAATCCTGACCAATCAGG
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GACGGTCTGGCGGCTTGAAGAATTTGGACGATTTGCCAGCTTTGAGGCTCAAGGTGCATT
GGCCAACATAGCTGTGGACAAAGCCAACCTGGAAATCATGACAAAGCGCTCCAACATATAC
CTCCGATCACCAATGTACCTNNGCCCCGCTCTTAGAACTAGGTGGGATCCCCCGGGCTGC
ANGGAATTCNGATATCAAGGCTTATCNGATACCGTCCGACCTCCNAAGGGGGGGGGCCCC
CCGGTACCAGCTTTTTGTTTCCCTTTTAGTGGAGGGGT
Sequence 4034
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTGAAGATTTCTTC
ACTGTGGTAATCTTGCGGGTCTTCTCGTTGGTTTTCTTCTTCAAACCTGGAGAATGTG
AGGGATTGGGCCCTTGGCTGCTCTGACTGCTGGCAAAGGCCTCTTCTTCTCCCGCTGG
AGTCGTGAATATAAGAAATATGACTGTATATCTGGAAGGCTTTATTGCAGTGATGTGGA
ACCAAACCCGTAACATCTCAAAGTATGCCTGTAATATTTTACAGCAGCCCCCATAGGCT
GAAGAGCTGCCTNTGCATCTAAGGATCANGGCATTCTGTGTTGATGGCAGAANTCCAAG
TCANAATGCAGCACAAATCCC
Sequence 4035
ACGCGGGGACTGCGACTCGAGACAGCGGCCCGGCAGGACAGCTCCAGAATGAAAATGCGG
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AACTGACAGCTGTGGATCCTGAAACAAACATGAATGTGAGTGAAATTATCTCTTACTGG
GGATTCCCTAGTGAGGAATACCTAGTTGAGACAGAAGATGGATATATTCTGTGCCTTAAC
CGAATTCCTCATGGGAGGAAGAACCATTCTGACAAAGGTCCCAAACCAAGTTGTCTTCTG
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GGCTTCATTCTTGCTGATGCTTGGTTTTGACGTGTGGATGGGCAACAGCAGAGGAAATAC
CTGGTCTCGGAAACATAAGACACTCTCAGTTTCTCAGGATGAATTCTGGGCTTTTCAAGT
TATGATGAGATGGCAAAAATATTGACCTACCCAGCTTCCCATTAACCTCAATTTCTTGGA
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AAGGGGCACCCANCTTNTNAGGGTTTTTAATNAGCCATTTTTTACAAGAATCCCCCTGN
GCCTTGGNCTTAAAAAGGGATTAAAAAATGGTTTTTTTGG
Sequence 4036
AGGTACACCAGATTCCAGTCCCGAAATAAGCCTGCTGTGGGGGTGGTGGCGCTTGAGGC
TACAAGTCCAAGTATCTTCAGCTCAAGAAGAAGTTAGAAGATGAGTTCCC
Sequence 4037
ATAAGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACTTGGCCTCGCTGATCCGTT

Table 2

CCGTGGTCGCCCTGCANANCCTCATCAANAANAAAATTGCCNNCCGGGATGCAGAGAAGA
AAGAAGGGCAGGAGAAAAGAAGAGAGCAAAAAGGATAGGAAAGAGGACAAGGAGAAAGAT
NAAGATAAGGAAAAGAGTGATGTAAAAAANAAAANANATAAAGTACCTGCC
CG

Sequence 4038

CCGGGCAGGTACTGCTCCACTGTTGATGGCATCTACNTAANANCACCACCAAAAANNNNN
AANCNCTTTCCAGTGACAATGATTCCCTCTCTCAGGGTCTTGGTCTTTCATGGGTGAAA
GATATAAGNAACAGAAGTTGCTCTGATTGCATAAAGGGAATGCCCTTTTCCCAAGAATT
TTTCTTTCTTGGCCACTTTCCGTCCCATATTGAATTTTAAATATTTGCNTTGGTCCAT
TTTTGTTAGGGCCCCCGGTCCAAAAAGACCAAAANCCACCTTTCCNGNTTTTCCGGGAA
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TTTTGGAANTTTTTGGGGGAATTNNNTTGGNCCTTGGGAAANTCNAGCTTTNCAAN
GGCCATTTTNTTNCCAAGGTTNCCCCNTTNGGGGCCNCTTTTTTANAAANNTNANNG
GGAATCCCCCCCCNGGCCTTTGNNAAGNGAAANTTTCCCAAATTTTCNNAACCCCTTA
TATNCGATATACCCCNNGCCCAANCNNTTCAAAGGGGGG

Sequence 4039

AAAGGAAAAGGCTTACCAGGCTGCTATGGTCAACTCTTCAGAAATTTTCAGAGCAATCTA
AAAGCGCCAAAATTCNCTATGTTTACAGTGATACTATTAAGAAAATGAATGTGATTCTGC
TCTGTCTTTTAAAGTATGATCAAATAAAAAATTTGTACCT

Sequence 4040

CCGGCAGGTNCGCGGGCGAACAATGACTAATCNAGCTGACGCTGNNGNACAAATGAAAAC
CATACACNTTCNCTAAAGGACGAACCTGATCTCTTATACTAGGTATCCTTAATCATTTTT
TATTGCCACAATAACCTNCTNGGACTCCTGCCTCACTCATTTACACCAACCNCCCAACT
ATCTATAAACCTAGCCATGGCCATNCCCTTATGAGCGGGCGCAGATGATTATAAGGCTTT
CGCNTCTACTGAATTTAAAAAATTGCCCTTAGGCCCCACTTTCTTTTAACCCAAACAAAN
GGGCACAACCTTACCACCCCCNCNTTATNTCCCCATTACCTTAAGGNTAATTTAATT
CGGAAAAACCCANTCCAGNCCCTAACCTTCAATTTTCAAACCCAAAATTAAGCCCCCTG
GGNCCCGGTTANCCCTTCTNNGNCCCGGNTTCTTTANGAAANCTTAAGGTTGGGNATTC
CCCCCCCCGNGGGGCTTNNNNNAGGGGAAANATTNCGGATNAATNCNAAANGNCTTTTATT
NCGGATTACCCCGGTCCNGANNCTTTTNTANNGGGGGG

Sequence 4041

CCTTCCACCCGNCGGGGTTGNGNCCGGGNCCTCGAAGNGGTTACCGCCCGGGGGGGGA
AAGGGGGTTCGGTTGGAAAAAAGGGGTCTTTGGGGTGAAGGGTNGCCC
CGCCCCANTTTTCAATCCTGGTCCCTTCAATTTCTTCTTGGCGCCCTTTTCGGCAAGAA
GCTTTTCCCAAGCCAAGCCGGGTATTGTTTTGGGGCCCAAGAAGCATTCCCAAGNAGGGT
TTCAACAAACCCNTCTGTTGGGTCCCCGTTAGGGGAAGCCACNTTATTGAAGGGGAGGG
GGCCCCCTTGGGGGAAAGGAAATTTTGCCANTTTTCAAGTTGGGAAAAAACAAGTT
GGGTCCGGTTACCTTAAGCCTTAAAGGAATGGTGGTTTTNGTTAACCCTTGCCCCGGGG
GCCGGGCCCGCTTCTAAGAACTTAAGTNGGGGATTCCCCCGGGGGCCTTGCAAGGG
AAATTTCCGAATTATCCAAAGGCCTTTATCCGAATTAACCCGGTCCGAACCCCTCCGNA
AGGGGGGGGGGGCCCCCGGGGTACCCCCCAAGCNTTTTTGGTTTNCCTTTTTTAA
GGTTGGAGGGGGTTTNAATTTNGGCCGCCCGCTTTTGGGCCGGTTAAATCCAATTGG
GGTNCAATTAAGCCNTGGTTTTCCCTTGGTGGTTGGAAAAATTTGGTTTAAATCCCC
GCTTCCAACCAATTTCCACCAACCAAAACCANTTACCNNAAAGNCCCCGGGGGGAAGGC
CATTAAGGTTGGTTAAAAAGGCCCTTGGGGGGGGT

Sequence 4042

CCGGGCAGGTACCATGACGAAGAAAAGGAATAGGTTGTTGTAAATAAATGTTAAAGAT
AAGTAACTATTACCATTTCTCCAACCACTATACTTGACTTTGAGTGTTGCTCCAGAGT
TGAGGGGA

Table 2

Sequence 4043

CATAAAGTGTAAGCCTTGGGGGTGCCTAATTGAGGTGAGCCTAACTCACATTTAATTGC
CGTTGCGCTCAACTGCCNGCTTTTTNNCAGGTCCGGGGNAAAACCTTGTTCCGTGCCCA
AGCTGGCATTATAAATNGAAATTCNNGGGCCCAACCNCCGCCGNGGGAAGNAGGGCCGGG
TTTTNGCCGTNATTTNGGGGCCGCTTCTTTTCCCGCCTTTTACCTTCGGCNTTCAACTT
GGACCTNCNGCTTNCCGGCTTCCNNGGTCTGTTTCNNGNGGCTTGGCCGGCINNNAAGGCC
GGGTAATTNAAGCCTNNAACCTCNAAAAGGGGNCNGGTTNAANTACCGGGTTTATTTCCA
CNAAGAAANTNCANGGGGGGATTTACCCCAAGGAAAANGAAACATTGTTGANTCCAAAAA
GGGCCCAACCCAAAAANGGGCCAGTGNAAACCCNGTA

Sequence 4044

CCGGNCAGGTACCTTCCCCGAGATGGTGGATAAACTTATNTTACTGGNNACGCCGNNNTT
ANTANTGGAATCAGATGAAATGGAGAAGCTTGTNACCTACAAGCGGAGAGCCATAGAGCA
CGTGCTGCAGGTAGAGGCCTCCAGGAGCCCTCGCACCGTNTTCAGCCTGAAGCAGCTGC
TGCAGAGGTTACTTGAANAGCAATANCCACTTGANTGAGGAGTGCGGGGAAGCTTCTCCT
GCAAAA

Sequence 4045

AGGTACGCGGGTGAAGGATTATGTGCTGGCCGTGGAGGCGTGTATNGNNGGNTATCAAG
AANAANNNAATCTTTANCCCCAGCTGCTCAGCGGCAT

Sequence 4046

GCNGCTCCACCGCGGTGGCNGNCGATGTACCTGATTTNATTNGCNGTTTTTCATCCTAANN
CCTGGGNAATGGNACAAAAAANNAANNTNTTTTTTGGCCAGGAATCGCTTAATCCTGA
AAGTCTTGTGAGAAGACATGGCAGCANCNGAGTCAAGAACACACCACNATGGCGGANAA
AGGAAGAGCCCCGCGTACCTGCCCCN

Sequence 4047

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAAATTTAGT
GGTTGCTGGAGCACCTAAAAGTCAGATTGTCTGTCGGAAGCCTCTGCAGAGAACATTTT
ACAGCAGGACTTTTGCCATGCTATCAAAGTGGGAGTGAAATATACCCAACAAATAATTCA
GGGCATTAGCAGTTGGTAAAAGAACTGGTGTACCAAGAGGACACCTCAGAAGTTATT
TACCCCTTCGCCAGAGATTGTGAAATATACTCATAAACTTGCTATGGAGAGACTCTATGC
AGTTTTTACAGATTACGAGCATGACAAAGTTTCCAGAGATGAAGCTGTTAACAAAATAAG
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AGAATCCTTCAATGTTGCTGCAAAGGAAGTTTTTAGAAGTATTGTTTTGAATGAATACAA
AAGGTGCGATGGTCGGGATTGACTTCACTTAGGAATGTAAGTTGTGAGGTAGATATGTT
TAAAACCCCTCATGGATCAGCATTATTTCAAAGAGGACAAACACAGGGTGCTTTGTACCT
GCCCCGAGC

Sequence 4048

CCGGGCAGGTACAAGCAGCTCTTCTTAGGGGGTGTGGATCGGCATAAGCAGTTCTGGCGC
TACTTTGCTGGTAACCTGGCGTCCGGTGGGGCCGCTGGGGCCACCTCCCTTTGCTTTGTC
TACCCGCTGGACTTTGCTAGGACCAGGTTGGCTGCTGATGTGGGCAAGGGCGCCGCCAG
CGTGAGTTCCATGGTCTGGGCGACTGTATCATCAAGATCTTCAAGTCTGATGGCCTGAGG
GGGCTCTACCAGGGTTTCAACCGTCTCTGTCCAAGGCATCATTATCTATAGNAGCTGCCT
ACTTCGGAGTCTATGATACTTGCCAAGGGGGATGCCTGCCTTGACCCCAAGGAACCGTT
GCACATTTTTTGTGAGCTGGGATTGATTGCCCCAGAAAGTGGTGACCGGCATGTCGCAAN
GGCCTGGTNTCCCTACCCCTTTTGACACTTGNNTCGTCTANAAANTGGATTGATNCAA
GTTCCCGGGCCGCTCTAANAACCTTAGTGGGGAATCCC

Sequence 4049

AGGTACATTCCCTGACAACCACCAGAACATAGTGGCAGCTTTCAGGGGGGTGTCATG
TCATGGGAGATTAAAGCAATTGAATACCTTACTGATGACCGCTGCAGAGATGGTGGGTG
TCTCTGGGCTCTGGCCTACACTGGGCTCTTATAATCATAGGTAGCATAGCAGGAATATTA

Table 2

G TAGTAGGTTGTTGCTCTCTTTATTGTTGCTGTGGCCTATGGGTCCAGGGTGCTCCCTA
TGTGCACGAGTTCCCATTAAGAGGACCCCTTGGCCTAGGGGGCGGAGTGTAAGGAACAT
GGCTGTGTTGCTGCCAGGCAGGCATAGGCCGAGGTAAAAATCCTGCATGACACAGTGGGA
TTAGAGCACACGCGCGCAATCCTGTGCCTGATATAATCACAGCTAGGTAGACATAACACA
GAGAAGCTCATCATTTGGCTCTCAGCCACTATCATTTGTGAGGTGTACCTGCCCCGGGCGG
CCGCTCTAGAACTTAGTGGATCCCCCCCCGGGCTGNAAGGAATTCGATNTCAAAGCTTATT
TGATNCCGTCCACCTCNAAGGGGGGGCCCCNGTACCCAACTTTT

Sequence 4050

CGAGGTACGCGGGGGGAGCCGGAGCCGCGGAACGAGCCACAGAGAAAAAGGTTATTGGTT
GGCAGTTCANCCAATGAGCGGGCCTGTTACTAGTTTGCGGCATCCTGTGGTATAGGGGAA
GCGCTCCGGGTCTGGAATCCCTACGCGTCCCTTTGGGTTAGCACGATGAGCTCAATCGG
CACTGGGTATGACCTGTCAGCCTCTACATTCTCTCTGACGGAAGAGTTTTCAAGTTGA
ATATTGCTATGAAGGCTGTGGAAATAGTAATACCTGCCCGGGCCGGC

Sequence 4051

AGGTACTTCTCAGCCAGTGTGCAGGCATCCTCGAACAGGACGTGCCGCTTTTCCAGAGG
TCACATTTATTTCCAATCAGCATAATGACCACATTTGCAGCTCCATATTTCTCTATCTCA
TGAATCCAGTGAGGGATGGA CTGCAACGTGGACCGCCGGGTGAGGT CATAGGCGATGATG
GCTGCGTGGGCACTGCGGTAGTAGCTTTGGGTGATGGTGC GGAAGCGCTCCTGGCCAGCT
GTGTCCACACCTGCATCTTCACTTTTTTGGCGTCAATATCAAGGGAACGCACGGTAAAG
TCCACTCCAATCGTGTCTGCTGTGTCTCAAGTGTAGACTCCAGACTTGAAATGCTGCAC
CACACACGTTTTTCCCCACATTGGAATCCCCAATGAGGATAATCTTGAACAAATAGTCAAA
GTTTCTCATCTGCTGCCCTGGCTGAGCTGAGAGTGCATGGTTCTTGCCACCTAGAACA
GAACTCTGCTGGNCGGCAAGGTAATGTTTTTCGCTTTTTCTTCTTGGGGTTTGCTTTTT

Sequence 4052

CCGGGCAGGTACTTTGTGGATAAGAAAAATGGAGGAACACATCTGATGGAGAGTGGGCATT
TGACAACAATGGAACAGGTAACCAGCATGTAAATCAAAATATAAGTGTCTTTTAAGAG
CTGAAAGCTGCTGCTGGTCATTCTTAATGTGTGACACATTTAATCAGGATGCTGGACCT
TCAAAATAACTGAAAAAAGAACCAAGAAAAGGCGTTTTTGTTTTCAACAACTTTACTAA
ATAACCTGGAAAGGCAATGAACCGATCTGACAATTTAAGCTCTAATTGATTTAAAGCCT
CAGCCTAGGAAAGAAAAGTGAGGCATTGACATTATACTGTCAAACGGGAGGGTTGAAGGG
AGGCCAGATTTCTGGGAAATGCCAATGGATCCCACCACCATTTGCTTTCAAGGGAGGAA
ACCTGCCAGACATATTTTCAAGGTCTTGCTAAAGTAAACAACCTGTTTATTTTGTTAAT
CAAATACCATTTGGGGAAGTCTNGCCTTTGTTAGCCTAAAGGNTCACTGTGGACCACC
AGGAACCAACCAGGATGGAAAAAGGGAAAAAGCCCCTGGAACANGCAAGGAAAAAATTA
CATNCCCCATTCTTCAAAAAAGAATTTTNAAGTTGAACCCAGNTTTAAAAAAAGGAAA
AAAA

Sequence 4053

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGAATTTGAAGACAACATCGGCA
AGCATCGGCTTATTAAGGAAAACTTGAGGGAAGTGTATAAAACCACAAAGGTTTTCTG
GCTTGATAGGTTTTGCAATTCCTTAGGCAATTAATCTTCTGCTGTTTTTAAATGCAT
TTAACTTTCTCGATTACATTTGAAACATCCCCAGAATCTTCAACTTCTTCTGATATCT
TCTTCCAATCTTCCCCTGAAAAGCACCTGAATAATGAGGCGAAGGATGTCTGATAAA
CAAGAACAGAAGAGGGCGTCTTTAACAACGACTCGTAATGGTGGGTTGCCTGAAGATTCA
TGGCTAGCACCTGGAAATGCAGTATCTCTGTTTATAGCAAAAAGATCCTGGGTAGTTCGG
ATGATACTGGAATCCTGAATGTCAAGTGGGACTCTTACATTGAAAAGCAGCATGAAAACA
TGGCTTACAGCGCAGAGAACGATCTTGTGGGCTCTACAACCTTTCTTTAAATCGGGGTT
ATAAAATCCACGTCCCACACCACTNGGCAGCAGAACCAAGGTTATTTTAAGNCAG
ANGTTATTAATGNGGACCGCTTTCAGCCCTTTTAAAGACAAGGGCATTTTTTTCTTGGG
TTGGTTCAAAGTTTGAGGGGGGGNCTAAATCCCATTGAAAAGGGAGGNTGGCNTCAA

Table 2

TTNTTTTCTTTTTTTTTTA

Sequence 4054

ATAGGGCGAATTGGAGCTCCACNCGCGGTGGCGGCCCGCCGGGCAGGTACGATGTGCTGA
TTAGTGTTGCTTTGTTGGCACTGACAGTCTTGCATGGTCATATGCCAGTGTTCCTGCTT
TAGCTTTTCTTTGAATAAAACAGATTTAAATGCATTTAGACAATACGTATTTGTAAGCTG
TTTACATACACTAAATTTAAGAGATTCAATATTAGAGTTTCTTTGTTTCCCCGCGTACCT
CGGCCCGCTCTAGGAATA

Sequence 4055

AACCCTGCCCTTCTTTGTTGACTGAGGAAAGCTCGCTCCCTGCCAGGTTTTTCATTGTT
GATCGAAATTAACACCAGGTGGTGAATAGAGCCCCTCCTAAGGTTGCTCAGGATAAATCA
TTTATTAATAGGTCTGCTTATCAGGAGGGGCCGTGAAGGCTCCCAAAAGGAAATGCTGG
CACCTGGGCCCAGAAGCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTGAAAGTTG
CACCTACAAAGGGAATATGGCCAAAGCGGCACTCAACTGAAGGCTGATATCAGGCGATT
AGACAGCCATGCATTCTGCGTTTGTCTGGAATGGATTGTAGAGAGATGGACTTATATGAG
GACTACCACTCCCCGT

Sequence 4056

CCGGGCAGGTACCTACGCTGTTGTTATTCATTTCTGCTTTTCACAGAAAACAATTTTGT
TGCATGGAAGATCGGTGAGTTAAAAAAGACCTGCCCTGGGTGTCAAGCACAGTAGTTAC
ACCGCTGGTTCTGCTCCCTCTGCTTGGGATACATGGGCAGGGTGCCCTGGTGGTAGGGCC
TTGGTCACCAGCAAAGTCAGTTCCCATGGGATCCTCTTTCTGAGCTGATGCCCACTCCCC
TGAAGAAGGGGCTNCTATTACGGCCTNTTGTGCAAGGAGCANAAACCACTTAGGCTGG
CTCAAGTCCGCTGNGTACCGCTGTTTANCAATCCCTGTTTCAAGAATGTGTCCCAAGC
CTTNTNTTTGGGGTATTGACACNANGGCNTGGCAGGGGGGANAACCCANGGGAATGTTCA
CCAGTCCCTTGGGGGGNTTGCCTTCTANCTCAAACNNGNCCCTTCCCTTTTATGCNCTT
NTNTNTATTCTNNATACTATNAATNNTTTTTTNGAAAAATTGNAGNTCTTTTGCNTTTTT
NANTNCNTCENNNGGCTNNGNATNNNNNGATTNTATNTTATNTNTGTNGANCTACTTN
GATNTCGNTNCNTNTCNATTTATATTTTCTATNCTANNNNNNTNANCCAACCTNTGAN
ANNTTCATATTGTGNGAGCTTGGGTAACNANAAGGCNNCNTAGCCNCCCNNTNTCTTTA
ANTNTNTATAACTNTNTNTATNCNNNANTAACAGATGNTTATATNCGTNNTTTNTNTGT
NNNGNTNNTGGTTTCAATGANNNNCGAGGGTNNNTATAGTANGCATNTTAAATNTNNTC
TCTNTTTNTNNGNNGNNTGAGTNNGTGNGATATNGANNACNNATGATNAGGGATNTATGT
NNNTATNNNNNTGTGANATANTNNNTTANNAATNTNTTTANNCNCCCCCCCCCCCCCCC
C

Sequence 4057

CGCGGTGGCGGCCGCACAAAACCAATCTACCTGATGAAAACCTCCGTTCCCTTCTCGCCA
GAAACATAAAATGCGATGGAGCTACGGCCACCGCTGCTGAGACAAAATGGCGCCGACAAG
CTGGTTTAGCGCAAGCCCCGCGTACCT

Sequence 4058

AGGTACAAAAATTACGCTGGGCATAGTGGCACATGCCTGTAGTCCCAGCTACTCGGGAGG
CTGATGAACAAGAATCACTTGAACCTGGGAGGAGGAGTTGCAGTGAGCTGAGATCGTGC
CACTGCACTCCAGCCTGAGCGACAGAGCAAGACTGTCTCAAAAAATAAAAAAGAAAAA
ATAATAAAAAGGAAAAACAAAGCCTTTANAAAAACAAAGCCTTTGAAAAAGGATGTAAAT
TGAATATATAGATACAATTATTTTAAAAAGTTTATAGAAAAATATCCTGGATTGTTGA
TGTTGTTTTAATATATTTTAAATCATTTTGTATAATGTCATGTATAANATGTTATAATGA
AAGTAAAAAAGGTCTTAGCAGTAGCANGCAGAAAAATGCCAACTCAGTGCCCTT
TAGTTATTTTGTATATGTGGGAAGA

Sequence 4059

GGTACTTTTTTTTTTTTTTAAANCCCNNGGAGCTTCAAGAACGANTGATTTAANAACAG
CCCTCCCCTCTTAGCAATGTCCCGGGGTGGCTGGAGCCACGGTCACTTCTTGGTCTGGT

Table 2

CCANAACGTGCGGTAGCGTTCCACATGCAAGTCATCACTGAGCTCCTGCTCGTACCTGCC
CG

Sequence 4060

CCGGGCAGGTACAGAGTGTGGGAATAGTTTCACGAGTAGTTCGAGTTTGTATACATCA
GAGAATCCACACTGGGGAGAAACCCTATGAGTGTAAAGAGTGTGGCAAAGCTTTTGTGG
TAATTCACCCCTACTTCGGCATCAGAAAATCCACACTGGAGAGAAACCCTATGAGTGTA
TGAGTGTGGCAAAGCTTTGGAAGGACTTCCCATCTAAGCCAACATCAGCGTATTCACAC
AGGGGAAAAGCCTTATTCTTGTAAAGTATGTGGACAAGCCTTCAATTTTCATACAAAAC
AACTCGGCACCAGAGAATTCACAGTGAGGAGAAACCCTTTGACTGTGTAGATTGTGGAAA
AGCCTTCAGTGCTCAGGAACAATTAAGGAGCATCTGAGAATTCATACTCAGGAGTCTTC
CTATGTATGTGATGAGTGTGGAAAAGCCTTGACTAGCAAAAGAAATCTTCATCAGCATCA
AAGAATCCATACTGGAGAGAAACCCTATGAGTGTAGCAAGTATGAGAAGGCCTTTGGGAC
TCTTCCAGCTAGGTACCTTGAGCATGTCTACTCTGGAGAGAAGCCTGTGCTGGACATT
TGTCGTTTTTGGCCTCCCANAAATTTTTACCCCTT

Sequence 4061

CCGCGGTGGCGGCCGCCGGGCAGGTACCCGCTGCAGGAAGTAGAGCGGTTCTCGCCCC
CTACGGGAGGCAAGACCTTCACCTGCGTATCTTTGACCCAAGCCCGGAGGACATAGCCAG
GGCGGACAACATCTTCACGGCCACTGAACGGAACCGCATCGACTACGTCAGCTCCGCGT
CCGTATCGACCACGCCCGGACCTTCGCGGCCAGAGGGACACACAAAGAAAATGAATTT
TTCAAAGTTGGAACATTTTACAGTGGTGACATGCCAGGTTATGGCTTTAGAGCACC
TGAAGATTTTGTGACATGGTAGAGACCTATCTAAAAGAACGAAGGAACCTGAAGAGAAC
ATTTTATTAGTGGATAGCCGTTGTTGGAATCAAAAAACAGACAATATTGCCATAGAAA
TGTGTTGAAGAATTTGCAATTACCTTATGTGATTGTATTAACAAAATTGACAAATCTTC
CAAGGGGACATTTTTTAAACAAGGGCTTCATATCCAGAAATTTGTTAACCATGAAAA
TCAA

Sequence 4062

CCGGGCAGGTACCAGACATCTCTGCAACACCTTTCTAAGAAAAAATCCCTGATATAACT
TTTGCTTAAATAGAACAACTGCACATGCATCTTTACTCATTATCACTATACACTTCT
CCTTTCAGCTGCAACAACCCCTCTCAAGACATATCTGGAACCTTGATATTTTAGCATGT
GTGTGTCATTTAATTTCTCTCATCCCACCTTAAATCATAAGGAAAAAACAACAAAA
ACAAAGTTAGATTCAATAAGTATTCGGACCTTTCTGGTTTTTACTGTCTCTCGGCTGTA
GTCTTTCATTCTCACACGCTCCCGGGCGATCTGAAGAAGTTTTTACTTTGCGTTATCTA
GCTTTATGAAGACCAATACACTCATACAGCTAGATAACCAAAGATAACAACCTCGCTTCCC
ACACAGGCCTCTGTCTTCTCTTGCCAGACTCCAGGTCTGATCCTTTCTGGCAGTACCT

Sequence 4063

AGNACNNATGTCAATCAGAAACCTGAAGTGTGGCTGCATNTNGCTGCTAATGTGTGAANA
AANACGCCTAACTGAATTTGAACAGCTCACCCTGTGCCTACATTTAAAAATACTTCTCT
CTCTTTTCTAAAAAGCTTTAACTGTAGTGCCCTCCTAATAAGCAGTATGTTTGTTCATTG
TGAGATTGCAGTTCTGTATTTTGAATGAGTCTAAGAACCACAGGGGATAATACTTGTGCA
GATTTCTGTTCTTTACCCTGGCGTCTNCNTTCCAGCAGTATTGGACACCCTAGGTCCTT
TGCTGCAATTNGTACCCTNGCCCGGGGGCGGCCGCTCTTAGAACTAGGTTGGATCCCCC
CGGGGCTGCAAGGGAAATTCNGATATCAAAGGCCTTTATTNGGAGTACCCGGGGCGGACC
TANGNANGGGGGG

Sequence 4064

CCGGGCAGGTACCTTTGTCTGCACCAACGTTCCCTTGCTTACCAGGCTCTTAATGCCCA
GCTTAATGCGGCTGTTGTTCTTCTCCACGTGCGTAGCCTGCGGCCGCTCTAAT

Sequence 4065

CCGCGGTGGCGGCCGAGGTACAAATTGAAAGATTGGGTTTTTTCTTTAGTTTTCCACATG

Table 2

TATTGTCTCATCTCTGTTCTTGAAACATCCACAATCACATAAACTCCAGTTATAACCATG
GAGTTATGTGACTCATTAAAATTTAGGAAAAGTGTGCTGAGCTGTGGGATCAGGCGTTT
CTCCCTCAGTTCAACAATAATACATAGACTGCTGATCAAGAATAAGGAACCAAATAAG
TCATGCACCGTTCTGTTGACAGAGGAACTCTGTGGCTGTTGAATTTTACTGTAAGTAGTT
ACTCTGTCTTCAGAGTCAACTTAATATACAAGTTATGTCATAATGGATGGAAAGACCTGT
GTTGATGTATCCAGACTCTAGCAAATGAAGATAAAAAACCCGTTATGACTAATCCTTGGG
GAAGAG

Sequence 4066

GGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCATGGTACGTTGACCATCTTTGCAGCAGG
GCTGTTTTGTCTATATGATGAAAACGAGAAACAGCGCCCGACACCTGGCCCTTCGCAGCT
CTCGCCTTTTCGCAGCTCTCGCCTCCCCGCGTACCT

Sequence 4067

GGAGCTCCCCCGCGGTGGCGGCTCGAGGTACGCGGGGGAGGCGAAGAACGCAAAGCTGA
GAACATGGACGTTAATATCGCCCCACTCCGCGCCTGGGACGATTTCTTCCCGGGTCCGA
TCGCTTTGCC

Sequence 4068

AGGTACGCGGGGCCCTTTCCTTTCANCGGANCGCGGAAAGGAAAGGTGGCAGTGCAAANAT
CCAAGAAGAGGAAGTTTGTGCTGATGGCATCTTCAAAGCTGAAGTGAATGAGTTTCTTA
CTCGGGAGCTGGCTGAAGATGGCTACTCTGGAGTTGAGGTGCGAGTTACACCAACCAGGA
ACAGAAATCATTATCTTAGCCACCAGAACACAGAATGTTCTTGGTGAGAAGGGCCGCCG
GATTCGGGGAAGTGAAGTGTGTAAGTTCANAAAGAGGTTTGGCTTTCAGAGGGGCCA
GTTGTAANAAGCTTATGCTGAAAAAGGTGGCCACCTAGGAGGTCTGTNGTGCCATT
GCCCCAAGGCCAGAGTTCTTTCGGGTTACAAAACCTAGGGAGGGGCTTNTGTGCCG
GAAGGGGCCCTGCTATTGGTGGTGCCTGCNGTTTCATCCAATGGGAAAAAGTTGGGGGGG
CNCAAAAAGGCTTGCCGAAGGGTTNGTGGGTGTTCTT

Sequence 4069

NCACCGCGGTGGCGGTGCGAGGTNCGCTGGGGGNCNCGACGGAAGTGTGTCGGCGATGGGCA
CGGACTGTCTGTTTGCATNCTGATTGGGAACACTGGGATCATTTTCATCATGCCGACAGT
GGTGGTAATGGATGTATCCCTTCCATGACCCGACCTGTGTCTATTGAGGGGTCCGAGGA
ATACCAGCGTAANGCACCTAACAGCCATGGTTAAACCGATGCTGTTTTGAGCACATGGC
CACANAATNACAAAGCTTTGAATTTACAGCACTGTGTGGTGTTTTTTCATCANTTTTGGG
GAGTTGATTGGTCCCCCTTACAGAGGANGAATTATAAATTACCCCTTACCAGAGAAAGCC
ACCTAAAGATAAATTTTGNGNATGGATTTAATGGACNAANAACCCCTGCCTNTGGGAA
GTTCTTGCCAATTTAAGTTTGGGTNGGTNTNTGGCCAAANTAATTCCGGCTTCCANN
CCAAATGGAAAATTGGGGGGTGGGNTTGGCCAAATTTCCCTNTGGCCCCAAGGGGT
TTGGTTCNCCTNNGGGTTGNAACCAAGGAAACCGGGGNCNTTGGNTCCTTTTNGGGCCAN
TTTGGGGATAAGGAAGGGGGNTNCAACTTTGNCNGNACCATTTTCCCCCTTTAAGGCC
CACCTTCNAAAAAATCAAACCNAAAAGGTGGAAGGAAGNCNAACCCAGGGGTTTNT
NCNCACCTTACNCCTTTTTTCC

Sequence 4070

AGGGCGAATTGGAAGTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCGGCTC
CGCNGAAGGGAGGAGTGGCAACATGGCGTCTTCGGGAGCTGGTGACCCTCTGGATTCTAA
GCGTGAGAGGGCCCCGTTGCTCAGCGTATCGACCCGACTCGGGAGAAGCTGACACCCGA
GCAACTGCATTCCATGCGGCAGGCGGAGCTTGCCCAAGTGGCAGAAGGTCCTACCACGGCG
GGCGAACCCGGAACATCGTGACCGGCCCTAGGCATCGGGGCCCTGGTGNTTGGCTATTTAT
GGTTTACACCCTTCTACTCGATTTTCCCAGGGAGCCGTTTCCCTAGNATGAAGCTAAGAA
AGACGAGGGCCAAAGCCTGCCCGAGCCCCGAGCTTCTTGGCAAAGGGGCCGTCAGGGG
TCCTTAAATCTTGGATGGGTAATTTGGAATTCATTGGTTCCCAACNCTTGCTTGGGAGN
CCCCCTTTCANCATGGGTGGGATTGGAATGGCCCCAATGAACCCCTTGTAGGAAAAAT

Table 2

TGGAAATCCCTTGCTTNCAACAAACATTTGGGTTGGGCCCTTTTCTTTAACTTAAACCC
TTTGGGAACCCCGG

Sequence 4071

AGGTACAGCAGCCTGGAGCATGAGAGTGTGGCGGGAGTGGTGGAGAGCCTGAAGATCATC
ACCAAGGCCAAGTCCCTGCGCATTGCCGGGTATGCCTTCAAGCTGGCGCAGGAGAGCGGG
CGCAAGAAA

Sequence 4072

ACGCGGGGCGCTGGGCCTGTCTGTGCCAGTCCTGGGGGCGAGATGGGGGTAGAAATGCATT
TTATCTTTAAGTTCACGTAAGATACAAGTTTCAGACAGGGTCTGAAGGACTGGATTGGC
CAAACATCAGACCTGTCTTCCAAGGAGACCAAGTCCTGGCTACATCCCAGCCTGTGGTTA
CAGTGCAGACAGGCCATGTGAGCCACTCGCTGCCAGCAACAGAAGCCGTCTTCCCCCTT
GTAGACTAAGTTGCCCCGTAGGGGAAGTACCTTGCCNCGGGGCGGCCCGCTCTTAGAACT
AGTGGGATCCCCCGGGGCGCTGCAAGGGAAATTTGGGATATCAAAGCCTTTATCCGATACC
CGTTCCGACCCTCGNAGGGGGGGGGGGCCCCCGGNNACCCCAAGCCTTTTTTGGTTCCCN
TTTTAGTGAAGGGGGTTTAAATTGGCCGNCGCCCTTTGGGCGGTAAATTCAATTGGGGTC
AATTAGCCCTTGGTTTTTCCCTTGGTGGTGGAAAAANTTGGTTAATTCCCCGCTTTCCA
CCAAAATTTTTCCACCAACCAAAACCATTACCGNAANCCCCGGGGGAAGCCATTAAGGT
TGGTNAAGGCCCTGGGGGGGTNGCCCTTAAATGGAGGTNGAAGCCTTAACCTTCAACA
ATTTAAATTTGGCCGTTTGGCGGCTTCAACTTGNCCCCNCTTTTTTNCAAGTTNCGGGG
GAAAAACCCTGNTCCGTGGCCCANNTTGGCAATTTAATNGAANTTCNGGCCCAACCCCC
Sequence 4073

CCGGGCAGGTACGCGGGGGTGAACCTGGAAGGCTGCCATGGCTAGCCCAGCCGCCTCCTC
GGTGCGACCACCGAGGCCCAAGAAAGAGCCGCGACGCTCGTCATCCCCAAGAATGCGGC
GGAGGAGCAGAAGCTCAAGCTGGAGCGGCTCATGAAGAACCAAGGCAAAGCAGTTCCAAT
TCCAGAGAAAATGAGTGAATGGGGCACCTCGACCTCCCCCAGAAATTTGTCCGAGATGTCA
TGGGTTCAAGTGCTGGGGCCCCGGCCAGTGGGAGAGTTCACGTTGTACCTTNGGCCGNT
TCTAAGAACCTAAGTTGGGATCCCCCCCCGGGNCCTTGCANGGAATTTCAATATTTCAA
AGCCTTTATTGCGATACCCGTCGACCCCTTCNNAGGGGGGGGGGGCCCCCGGGTAACCCC
CAAGCCTTTTTTGGTNTCCCCCTNTTTAAGTNNGGAGGGGGTTTAAATTTGGGCGC

Sequence 4074

TTGGAGCTCCNCCGNGGNGGCGGCCGAGGTACGTTGCGTAATGGCCACGTTGCAGCACAC
GGCGGAAGAAATAAAGAGATTAGCTGAAAAAGAAGACTGGATTGTTGACAATGAAGGACT
GACTTCTCTACCATGTGAGTTTGAACAGTGCATCGTGTGTTCTCTGCAGTCACTGAAGGG
GGTCTCTGGAGTGCAAGCCGGGAGAGGCCAGTGTCTTCCAACAACCTAAAACACAGGAGG
AGGTTTGCCAGCTAAGCATCAATATAATGCAGGTTTTTTATATACTTGTCTGGGAACAGC
TTGAAGCACCAAGCCTGNATGCCAGGATTATTAGGATTACCTACCATCTTCTTCTGGT
TGGATGTTTCTTCCCCTGGGCCCTGTTTTGGGAAGTTATCNCATGGAAAGACTTTCAGC
CTGGACCCTCAGGAAACAAGNCGCCTTTTTTGGATAAGTCCTTAAGNTAATTTGCCTGGC
TATTCTTAGGAACCGTCACCACCCTTTNCCTAAAAATTCGCAANAAACCATTTTTTG

Sequence 4075

GGAGCTCCACCGCGGTGGCTGGCCGAGGTACCTGCAGAAGCCAGGGCAGTCTCCACAGT
CCTGATCTATACGCTTTTCTATCGGGCCTCTGGAGTCCCAGACAGGTTCAAGTGGCAGTGG
CTCAGGCACTGATTTCACTGAAAATCANCAGGGTGGAGGCTGAGGATGTTGGAGTTTA
TTACTGCATGCAACGTATAGAGTTTCCCCACACTTTTGGCCAGGGGACCAANCTGGAGAT
CAAACGAGACTGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGA
AATCTGGGAACTGCCTCTGTTGGTGTGCCCTGCCTGAATTAACCTTCNTATCCCAGAAGAG
GCCCCAAAAGTACCTTGCCNCGGGCGGCCCGCTTCTAGAACTTAGGTGGGATCCCCCGG
GCTTGCAGGGAAATCCGATTATTCAAAGCCTTTAATCCGAATACCCGGTTCGGACNCTN
CNAAGGGGGGGGGGGCNCCTGGGTANCCCCAAGNCTTTTTGTTTCCCCCTTTNANTNGGA

Table 2

GGGGGTTTAAATTTGGCCGCCGCCNTTGGGCCGGTTAAATTCAATNGGGNCCANTAGGC
CTGGTGTTTCCCTNGTNGNTGGAAAAATTTGGTTTTATCCCGGNTTTNACCAAATT
TCCCAACAACCAAAACCATTACCCGNNGCCCGGGGAANCCATTAAAAAGGTGGTTAAAA
A

Sequence 4076

NCCGGGCAGGTACGCGGGGAGAGATGCANGAGAAAAACAAAAGCCATTTTACAAGACAA
TTTGAAGGATCACATTTTGTTCATGAATATTCAAGAAGACATCCTCAGCTTGCTGTCTCA
GTAATTCTAAGAGTTGCTAAAGGATACCAGGAGTTATTGGAGAAGTGTTCAGACTGAA
AACCTCTTGAATGCCAAGATAAAGGAGAAGAAGATTACAGAAATACATCCAGGAGAGC
CAAGCATNTGGCAAAGCCGAAGCTGCGGCCTTCTTNCANAACTAGGGAGGAATTATTAC
TTTAACAAAAATGCGTTTTNTNCGTTTTGCTTTACACCAANAGNAAAGGCCCCCAGCC
TGACCCTCGTTCGGGAGCTTGATTGGGCCATTCAACCCAGGAAAAAATGGGCAAGCCAC
CAGGCNAGCNACNTTGTGTGCCCACTTCAAGTTNNAGGGACCAAAACTTATTTGGGCC

Sequence 4077

CCGGGCAGGTACGCGGGTCCGCGCGTGTGATCGTCCGTGCGTCTAGCCTTTGCCACGCA
GCTTTCAGTCATGGCCTCCGGTAACGCGCGCATCGGAAAGCCAGCCCCTGACTTCAAGGC
CACAGCGGTGGTTGATGGCGCCTTCAAAGAGGTGAAGCTGTCGGACTACAAAGGGAAGTA
CCTN

Sequence 4078

ACGCGGGGGCACTTCCTGAAGCTGAAGGTCAGCATAGACAAAGGGCCTCAGAATCGCGCA
GGCGCAATTGTGCCCTGGTTCCGCAAGATGTCGTTCCCAAAGTATAAGCCGTCGAGCCTG
CGCACTCTGCCTGAGACCCTCGACCCAGCCGAATACAACATATCTCCGAAACCCGGCGG
GCGCAAGCCGAGCGGTTGGCCATAAGAGCCCAGCTGAAACGAGAGT

Sequence 4079

CCNGGCAGGTACCANCNCATCATCCCTGGAGCGGGCAGGTGTTCCCGGATCATGTCCGGC
AGTCACAAAGCCCTTGCTGTAGGCCCAATCTTTGGGGGATGATCCAGAGTGAACCAGAG
CTTAAAGCGATTGGGATAGCGGGCCTGCAGTTCCTCTAAGTCTCCCGCAAGATGATATC
CTTTCTGTCTGGTTGGCAAAAAGCAGAAAGCACTGGGTTGGATCTTCAGGGACTTTCAG
GATGGCCCCGGATCAGCTGTAGCATTGGGGGGTGATTCTGTCCCGCCCGGCAATCATT
CCCAGTTTCTTCGCCCCACTCCGGNGGTTCTTGTTGGAAGAATTTCTTTGTTGGGGCCT
GAATGTTAAAAAATGGCCCCCTTTTCNCAAGTGTNAAGGTGANGCAAACCCCCCGCTTGG
CCCCCCCCGAAANACTTNCANCACCCGCCGTTACCTAGGGNNCGGNTCTTAAGAAACCTAA
GTGGGATTCCCCCGGGGCCTGNCAGGGGAAAATTTCCGATTNTCAAAGCCTTTAATCG
NATTACCCCGTTCCGNACCCTTCGAAANGGGGGG

Sequence 4080

GAAACCCTGTTCCGTGCCAGCTGCATTAAATGGAATCGGCCCAACGCCCGGGNGAGAGG
GCGGGTTTTGCCGGTATTTGGGCCGCCTCTTTCCCGCNTTCCCTCGGCTTCACTTGAAT
TCGCCTGCGNCTCGGGTCCGTTTCGGGCTTGCG

Sequence 4081

CTCCAGGCCGAGAGGATGCTGTTGAGCACATTGCAGCTATGTAATTTTGGTGTATGTA
TGTAATATTTAAGGTTGGAAAAAACTCAAAGCAAAGATATTAACCTTATTAGAAAA
AAAGACAAAAAAAAGCCAAAGCATGATGCGTCTTGTGAGCCCTTAAGTGGGCTCCACAC
CTGTGCTTGTGCTGTGACCCGCCCANCAAGCAATAAGCTGCGGGAGNGATGGAGCCCGG
NACCACCACACCCGTGGCATTTTGGGAACCCGGAGTCCGGGTAATCTTGTGTTGGAGAAAC
CACCCCGGNAGTTGAACCTGGGTGGGGGGCTGTGCTTTCCCAAGTGCANTTGTNCCT
NGGCCGCTTCTAAGAAACTTAGGTGGGATCCCCCGGGGCCTNGCANNGAAATTTCCGN
ATAATTCAAAGCTTTAATTCGGATTACCCCGTTCGAACCTTCTNAGGGGGGGGGGGCCC
CCGGGTACCCCCCANNTTTTTTGNTTTCCCTTTAAGTGGAAGGGGTTTAAATTTGC
CGCCCCCTTNGGCCGTTAANNCAATGGGNTCCATTAAGCCTGNTTTTCCNTGGTGGNGG

Table 2

AAAAAAT

Sequence 4082

CACCGCGGTGGCGGCCGAGGTACGCGGGGACAAGAATTAAGATTATCCCATTTGAGAAAA
GGGACACGCAGTCTGAGGTGCTGAGGATACTTTCAGGAAAGTGGTAAGATCTGATGGAC
AAAGAAAAGGATAGTAAACCAGATGTCCAGACAGAGTGCCATATGGCAGAGAAAAGGTGT
GTCAACTGGAGGCATCAGGAACTCCTATGAGACGGGAGAGTTCCCTAGACCCCTTCACTG
GACTTGCAACAGGGTACCTGCCCCGGCGGCCGCTCTANAACATAAGT

Sequence 4083

AGGTACCTTTTCATCTTCTCTGTGGCCAACATGAGGAACAGCAAGCTGAAGGACATCCGG
AACGCCTGGAANCACAGCCGGATGTTCTTTGGCAAAAAACAAGGTGATGATGGTGGCCTTG
GGTCGGAGCCCATCTGATGAATACAAAGACAACCTGCATCAGGTCAGCAAAAGGTTGAGG
GGTGAGGTGGGTCTCCTGTTACCAACCGCACAAAGGAGGAGGTGAATGAGTGGTTACAG
AAATACACAGAAATGGACTACGCCCCGAGCTGGTAAACAAAGCAAGCTTTTCACTGTGA
GCCTGGATCCAGGGCCCCCTGGNAGGCANGTTCCCTACTTCCATGGGAGGCCACAGCTTC
AANGCAGCTGGGGCCCTGCCACCGCCCTTAAGTAGAGGGTGTGGTGGAACCTTGTGTGT
CTGACNTACCGAGGGTGTGCCAAAGGGAAGGGCCGATTGTTGCCTGACCCCCAAAAGCCA
GGCCTTCGCGTTCCCTGAAANCTTTTTTT

Sequence 4084

CCGGGCAGGTACGCGGGGGCTGCTGCTGCTTGTCCCAAGACCAAGTCGTAATAGCAACTT
CCCTTCCTCAGCTGCCTGAACTTTTTTTTTCCCTTGAGCTGGAGAGAAGTGTACATTT
TGCTCACTCTCAACCTTCCTCGCCACCCCTTCCCGGAGAACCTGTGCGGTGTGTAGAG
GGTGCTGTGAGCCACCTCCAGCCTCGGGTGGCTGCTTAAGTAACTTTCAACTCCTCTCTT
CTTAACACTATGAAGTGTCTCGGGGAAGCGCAGGGGGCCAGGCAGCTTGCTTTCCTGCCTC
TTTGCTGGCTCTTTTTGAAAGATTCTGCAACCCGGGGCACAAGCCACCTTTATAACCAAC
CCGNTATGCTGGTGGATAAAAGTGATAAAGATTTTATCCCAAAAACAGGAAAGAGGGA
AGCATTATGGCACCTGGAAAAGAAAATATCCTAATCAACTTAAAGGGGGGGACCTTGTGG
CAGCCCAGCAAGGTATTCTCCTATGTATCAAGAAGGGGAAACAGTTTNCCTGAATGTTCC
ATTATCCCCCCCCAAAAATGGGTNCCCGGAAGCCCTNGTTTAAAGCCCTTTTTTTTACA
AGGGAAAGGCCCAACANTTCCCAATTACCCTTCGGGGCCCGCTTCTTAAGAAACCTAAGG
TGGGGAATCCCCCCCCGGGGGCTTGGAAGGGAAATTTTGGGAATANTTCAAANGCCTTTA
TCCGGANTACCCCGCTCNGAANCTTCTGAAGGGGGGGGG

Sequence 4085

AGCTAACTCACATTTAATTGCCGTTGCGCTCACTGGCCCGCTTTCAGTCGGGGGAAACCT
GTCGTTGCCAAGCCTGCATTTAATGGAATCGGCGCAACCGCGCCGGGGAAGGAGGCGGTN
TTGCCGTTATTGGGCGCTTCTTCCGCTTTCCTCGCTCACTTGACCTTCGCTTGGCGCTTC
GGTCCGTTNCGGGCTGCGGGCGAGCCGTTATTCAAGCTTCACTTCAAAGGGCGGGTAAT
ACCGGTTTATCCCAACCAGAAAATCAAGGGGGATTAAACGCCAANGAAAAAGNAACCATGG
TTGAAGCCAAAAAAGGGGCCAGGCAAAAAAAGGGCCAAGGGAAACCCCTTTTNAAAAAAN
GGGCCCGCCGNTTNGCTTGGGCCGTTTTTTTTCCANTNAGGGGCTTCCGGCCCC

Sequence 4086

GACTCCACCGCGGTGGCGGCCGAGGTACTTCTGGAACAGGACTTCCCTGCCCCAGTGATG
ACAGNTAAAGATGGCAAAAATGAAGAATTCAACATGTATACGCAGTGCACTCTGATGTCT
TCAGATGTTCTCTAAAATTCTGTATTTGGTCAGAGCCGGGAGTGAGATCAGGGTGCTTGC
ACATTTCTGCTCCACTGCTCCCGATTCTGCTTTGCTGCCTTGGAGGGAGAGTAGATTAN
ATCTGGGGGCTGGTGGGGGCCATAGCCTTGGCAGCTTTGCTTGGGCTAACCAAGTACCTG
CCCGNGCCGGC

Sequence 4087

CTCCACCGGTGGCGGCCCGANGTNGTACCATAACNNTAACTGACAGCAAACCTTAGGGT
TTGCATTTGAGCTACACATTCAGTGAATTTACGGCAAATATTCAACTTGGCTTGATCA

Table 2

ACACTGCTCAAAGAAAAAAATTATACAAAATGTGCAAATTCAGAGGTTGGCAAAATTC
TGAAGCTAGCGAGGTAAACAAAAATATTAACACCATGAAAACCTCAAATAAAATTAAACC
TATCTTTCTCTTCCCCGAAGATTTAGCTGGCAAATTCANAAAAGGTTCTCTTAGAGGTGG
GGTCTGATGNCTGCCAGAAGNCCTTCAGGACCTTCAANCACTTATAATGGAGGATGGGNA
GACCCGTGGGGNTAGGGGGCCCGGAGGTTGCNTTTGCCTAAATNTACTTCGGAGTGCAGG
GTTTTTGGTTCCCAACTTCCGNGCTTTTGAACCCCCCGCGTTACCCCTGCCCCCGGGC
CGGGCCCCGNCTTCTTAAGGAAACCTAAGTTGGGGATTNCCCCCCCCGGGGGGCCTTGCCN
AGNGGAAAAATTTCCNCATTATTCAAAAAGCCTTNAATTCCTNATTTACCCCGTNCNNNACC
CCTCATAAGGGGGGGGGGGGGCCCCCGGNTANCCCCCAANCTTTTTTTTGATT

Sequence 4088

ACACATCTGTGAGCCTTTCGGTGAGCAGGTGAGGCAATTCCTCTTCANCAACACACTCCT
CTGGAATCTTCAGCATGATGAAGAATGTTTTGTTGATGATAATTCAAGTATTTTCAATTT
CATCTTCATCAACATAAGTTACTGCAGCAAGACATAAGCCTATGATGATCACTGTAATGA
CACCTAGGAAAATGGAGGTGATGATCATCCACAGTTTGCATCTTCCAACCACTTTCTT
ATTACAGGAAGCTCCAGGGGCCTTTCCTTTGTAGCCTTCGGCCGCTCTA

Sequence 4089

TCCACCGCGNGGGCGGCCGNCCGGGCAGGTNCNCGGGGTTNACTGNNTATCCNCANGTCA
GANTAGCCNGATCTCATGAGGAGCCTGGCTAAGCAAAACCCTGCAGNACGGCNTGCCTAA
TTTACAGCAACCATTGAGGAAAGGCCACTTAAGGATGCAGCTAAGAAGGAGCCATCTGCA
ATCCAGGAAGAAATTCCTTGCCAGGAACCAATTGGTTGNACCTTCATCTAGGACTTCT
AGCCTCGAGAACTTACAAATGGGGGATGATCATCAGTCAAGGATAGTNTGGAGCAATTG
AGATGTTCACTTTACATGGGGAGTTATCCATTGATGACGNATGGAAATGCCTGGATTAN
GAAAACAGAGCTTTGGATCAGATTGAATTTCTAGACACCAATACAGTGNGGGGAATAC
ACCAACCTACTAGCCTATGTGAAACACCTGNAAAAGGCCAGAATGAAGGAAGCCCTGAAA
GAGCTTAAAAAGGAAGCTGGAACCTTAATGCAGGGAAGAATGGACAACCA

Sequence 4090

TCCACCGCGGTGGCGGCCGNCCGGGCAGGTACCACGATGTATAGAGCAACACTGGGGTAA
GGTCACTGTGGGATGGTTGCCTGCTGAGACCTGTGCAAACGTAACACATGCCACCATGCC
AAGGATGTGGCGGAACAAGCAGCCCTACCAAGGCTGGGCCCCCATGGACTTTGTGCCTGC
TGGGAGATTTATAGGTCTGTGGGGACATAGGATGGCCATATCTTGCCAGCCAACCTAGACT
GGACATTGTACCTCGGCCGCTCTAGAACTAAGTGGATCCCCCGGGCTGCAGGGAATTCTGA
TATNAAAGCTTANCCGATACCGTTTCGACCNNGAG

Sequence 4091

CCACCGCGGTGGCGGCCGCCCGGNCAGGTACNTATTTTAATTACAAGGTGTCAACATACA
NGATTAGCATAAGCTTCAACTGTCATAAGAAACATGTTCCATCAAATTCAGAAACAGCAC
GGTATCAGTGAAACTGGAGCAAGCATTTTGAAGACTTCAACGTATTGGATGGAATTTTC
AAAAATTTACCATATGATTTCTTATCTTNTTTCAGGAAAATCCTCTGGGATGTAATTTT
CATATATCCAAACATTTACGGTCCCTCACAGCATACCAGGTAGTCTTTCACGTTTTTACA
AGGATNATATCCAGCAAAAANAAAAGGCCGTANATATATAAGAAGCTGGCGATGCAAACC
AGNCCGTGCGGATCGGNCTCCCGCCCGGATCAGGGTTTATCNATCNGGGCCGGAGCCAG
TAGCCCAAGAAGCCCCTGTAAGTAGGNAGCCCGCGGGTTCGGNTCCAAGCTTTGGGGCC
GGGGGGCCAGGCTNCTGGGCCCTTTATNCCGAACAGGAAAAACCCGTNAAGGGGGTTTT
CTTNGNNTTTCCCGNCCGNNGCCGAATCCATGGGGTGAACCCGCCCGNGTTTCCCACCTT
TNGAAGGGCCCTGGGGTCCTTCANNGACCCACNNANACCTTACNATNGGGGAAGAACCC
CCCGGACGGACCCACCTTTNCCCCNGGGNGCCCTTAAAGCGGGGTGCANGCTTTTTTCTT
CCTTCACTTCCATTTTGGNGCCCCCGGCGNTNCCCTTCTGGGNCCGGGCTNCTTANAAA
CCTNGTGGGGANTCCCCCCCCGGGCCTTGCCAGGNAANTTCNNATNTATCCAANCTTTTA
TTCGNTNTCCCCGGCCGAACCTTNGANGGGGGG

Sequence 4092

Table 2

GCTCCACCGCGGTGGCNGCGCGAGGTACGCGGNGGAAAACTGTAACCATGATGAAGGCA
AAGGAAAGAGCANAGAGCTCGGTAGACAGAGGAAGGAGCCTGTCCTCAGACAGGCCCAA
AGTGAGTGTGTGTTGGGAGTTTGTGCTAATGTTTCAGTNGGTGGAAGCTCANGGATTTCCAC
TGTATTCTTAAGGNGAAGTCAGAGATTTGAGAGAGGATACCCACTTGAACCATACAGCTG
CCATTTTGGGCTGCAACANCGAGGCCAGTGTAGAAGGAGANATAAATGAAACTGGTGCAT
TTGGAGTCAGGACAAAAAGGCCATTTTCATTGGCTCTTTCAATCTGGAAAAGATTCTGTA
AACTTNGGGTAACCATAGCAAGTTCCTNAAATNAAGAATAAAGGCCNGTGGGATNTTAA
TAANAGGGGCAATANCCAGGGGATTTCAAAGGAANAGAGAAAACTGCAAGGTGCCTTG
CANCATGAAAAAGCCANGNCCCTGGAAGAAAAAAGATTTCTGGCCATGAGCATGNCTTT
GATGCAAAAAACCCNCCCCGGGAATNGCCCATTTTNTCCTTTGTAAAAACAAANNAGG
GGGCCCCCTGGCCTTAATANGCCCACTTTAANANCCAGGATGGGATTTTCAACCAGGANG
CNNGCCTTTAAACCTNATCCCNTGGNNCATGAAAACNCNATNGGGGGG

Sequence 4093

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCTTTGTTTGT
TTGGGCTTTTACAGGTTGGTTTTTGTCTCGGCAGTCTCCAGCTATAGAGTCTGAAAA
GAGGGAGAAGGCATTGGAACTAACTGTAGCTCTGGATTTTCAGTTTCAGCGGATGTTCTC
TCCAGCTTTCAACAGACCTTGCACTCAACTTTGCTGAATCCCATTTCCAAATGTGCGCCA
GCGCTCTGCACCTTACTATCTCATGGCTTCTCAGAAATGATTTTCTGGAAGTTGTGAAT
TTCTTGAAAAGTTTAAACATTGAAGAGTGAAGAGGAGAAAAACGGAATTTCTTAAATCATGC
GCAGGGAGAACTCCTTGCTTGCTCTACCAGCCCTGTTCCAGTCACGGGTGATCCCCGT
GCTTCTCCAGTTGTTTGAAGTTCATGAAGAGCATGTGCGGATGGTGTCTGTCTTCACA
TCGAGGCCTACGTGGAGCACTTCACTCAGGAGCAGCTGAAGAAAGGTGATCTTGCCAC
AAGTTTTGCTGGGGCCTGCGTGAATACTAAGCGATTCCATTTGTGGGCAANTTACTCTT
GCATAAGCCCTAGCAGTGCTTNGTCTTTTCTGCTTTGGACCAAAAAANGTNGTTGTGGAA
GGAAGAACCACCAANGATTTTCAAACGCCCTGGCCCCAAGTTTTA

Sequence 4094

CGCCCCGGGCAGGTACGCTGTGAACCTGACGAGTCACATGGGGTTTTCTGGCAAAATCCCT
CTTGTTTTAGTNGGGTTCTATGTTTATACTTGATTCTGGGATAGATAAGTCTGTCTTCT
CCACATAATGAAAATAAAAACTTTTAAATTTTATACCAGNCGCAGTTACTTTTAAGCCA
CTTTAAAAAGGTTAAGGAAGTGTNAAGTACCCTNNGGGCCCCGCCGGGCAGGTTNCGACCC
AAGCCAGGGGAGGANGAGGCACACCGAGAAGGTGACTTCAGACTTCAAGGGAAGCCATT
CGTNTGTGGTCCCGGCTTTGGACNTTCCAGGGAGNTAAGAAATANCGGTTTTACCANCC
CATTTCCAAAGGTCCCTTGNAGGAGGNTTNGGNACAAGGGGAAAAANGAAGAATTGCCNC
CCCAATTTTGGTAAAAACCAAAANGNTGGGTGGAACAACCCAATTTNGTGTCTTTCCNAA
CCCAANCAAAAAANTTTTGCNATTTTGGGGAGGGCCNAAAACCCCCCTTGNCCACCCCTT
GGGGANGTNGGCTTCCANAAGNTCCTTCCCCTTNGGGGGAGGGAGGGGAAGCNACCCAC
CCCCAAGGAANATTTTACCTTGGGGNTTAATNANGNAAATTTTACCCNCCAAACCCCTN
TANCAAAAAACCGGGCCCCANGCCAANGGTAAAATTTTCTTTTGGGNAANNAANNNTG
GNTTCCCATTTGCCTTGATANCANNANGNTCCTTGGCCACNTTTTNGANTAAACCCCTN
NNNGTNCCTCGGGNCCNNGGNNNTTACCCTTTAAGCCCCNCTTCTNTNAAACTNAGG
TGGGAATCCCCC

Sequence 4095

GGGGGAGGGCCCATGTGCTGAAAATCCGNAGTGCCGCGGAAAGTGGAGAGCTGACAAGGA
AGGTTTCTGAGCCGTTTTTGTGGCAAAGGGATTTCTTACAACCTCCANGCATGCGTCTT
TCTGCCCTGCTGGCCTTGGCATCCAAGGTCACTCTGCCCCCATTACCGCTATGGGATG
AGCCCCCAGGCTCTGTTGCAGACAAAGAGGAAGAACCCCCCATGGATCANGCCGGCNG
CCANTGGTTTGTGGAACCCANCTCTGGATGAAAGACTGGGTATTCTGGTTCTGGTGGG
GACCACGGTTGGGAAGAATCCTTATTAAAGGCAATGNGATTCCCTTNNAAAGGCAANN
GNNCAAATAGTTGGGTTTTCAA

Table 2

Sequence 4096

CTTATTTTAATATCCTTCTTCCNTCCCCACCACATTGGGAAAAGGCTAAAACAATNTGG
ATGGGTTTAATTACAAATTAATACATACTGTCAATTGNGTAAAGTAAATCAACATTGNGGC
AACAAGGGACTATTNTTGGAAAAAGTGAACCCATATTAACAAAATNTGTCATGGAANAA
CCCCACTTAGGGATTCTACTGGCTGCTTGAAAGNACAGTCAATGGAAAGGTCAATGTTTC
CTGCATGTTCTCTGGGGGCTTGTCATGCCCTCCGGAAANAAAGGTTNTGCCCGGGACT
TCAACCCAAGCCCTAGTTAGCTCNAACAGGCCCTTANACCAAAAAAGCCAAGGGGAAN
AGGGCATCCTTTTCAAATAGGGACAAAGGGGTAGAAAGGGGGCAANAATTGAAAAAATA
AAATCCTGCAGCTTTTACTTTAAAAAAGCCCCAACGGGGGGGAAAAAAAAAAAAAGGCCAGG
GAAAGTTTACCTTGGGGAAAGGGGCTTAAAAANAAAAAGNCCGCNAGCNATTTTTTTTTT
CAANC GGTTTAAAAAAAAAANTNTTAAAAAANTTAAAAAANACNAACCAAAT
TTAAACCTGGGCAAGNANTCNNTTGGGGANGAGGGAANGGAAAAAANGGGAATTNG
AAACTTTTCATTTTGGTTTTTCNAGGGGGANGTTTNGAAACACCGGGTTCTNAANCTTT
TAATCCCATTGTTTTCCNTTTTTGGCANNACNNCCCTTTTNC TTTTTTAANAAC TTGN
GGNTTTTGACCNTTGNGGAANACCCTTTTNGNTTTACANCCTTTTGGGNGGAAATTGT
TTTTTTTTN

Sequence 4097

TTTTTTTTTTTTTTTTTTTTGGGGNCCNNTNTTTTTTTTTTTTTTAAAGCCTTCGGNGCT
TTAATCCAGAGGAAAAATTACTTATTTTAAAAAGCAGNGAAAAACNCCGCATTCTTTGGC
NCAGGATGAANACCAGCTCAGCTNNTCAGTTGTTGATCATTGGCTATTGNTCTCCAAACA
GTAAACCAGTNTTTCACACTGAGATTGTCGGCTGCGGGTATATTCCAATTCCCGTCTCC
TCATGAATATGAAGNGAAGGGNTNTGACCTGGAAGNGGTAGGTAAATTGCTTGGCGATAG
GNGATTGTCTCGCCNCNCAGCTNTAGGCGANGGGCTCANC ACTCGGGGATAGGCGATTGT
CCCATNTAGGTCNCCAAAATGNGTCTGGAATTGGGGGGTCTTNGNCTCACTGACTTNA
GAATGAAGCCCCGGGACACTCGCANNGAGTGTTCANTTNTTAAAGGCGGCATGTCTAGA
GGTTTGGTCTTCNGANGTTTCGGAATGGGTTNANAAAAATTTCTTNTCTTTGGGGGG
GGNTTCGGNGGGCCNCCGCTTGCTTNCAGGGAGGNGNAAAACTGGNGGNACCCTTTCC
CGGGNGGNTACCAAGCTTNATTAAGGNCNNGGGGNGGGGCCCCCAAAGNAGTGGGGGCC
NGCNNCAATNTTTTTTTTGCCAAAGNCGNAAAANNAANNAAAAAACCTTCCCCGGGGNG
GNGGGAAAGGGGGCCCCAAAAGCNGGNTTCCCCCNGNTTACCNTTNGNCCCGCCGGGN
CCNNNGTNNCTTTTTTTTTT

Sequence 4098

AGGTACAAAGGTGCAATCTCGGCTCACCACAACCTCCGCCTCTTGGGTTCAAGCAATTCT
CCTGCCTCAGCCTCCTGAGCAGCTGGGATTACAGGCATGTGCCACCACGCCTGGCTAACT
TTTCTGTATTTTCAGTAGAGACTGGGTTTCTCCATGTTGGTCAGGCTGGTCTCAAACCTCC
CGACCTCAGGTGATCCGCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCAGGAGCC
ACCACGCCCCGGCCAGGAAGCCATTTTTCATGGGAGGGATATAGGGAGAGGAAGGCGATAT
TTACATCCC ACTCTGGCACAACCTTCANNACCTGCCCGGGCGGCCGCTTCTTAG

Sequence 4099

CGAGGTACGCGGGGGTTACGGTCTGAGACATCACNGCCNAGCTGGGCATCGGGGANANNG
CCGANACTGACCCCAAGACCGTGACAGACCTCACCTCGGTGGTGCAGACACTCCTGCAGC
AGATGCAAGATAAATTTTCAAGCATGTCTGACCAGATCATTGGGAGAATTGATGATATGA
GTAGTCGCATTGATGATCTGAAAAAGAATATCGCGGACCTCATGACACAGGCTGGGGTGG
AAGAACTGGAAAGTGAACAAGATACCTGCCACGCAAAAGAGTNGAAGGGTTGCTAATA
ATTTATACTGGNAAATCTGGGCATTTTTTTNCAAGCCAAGAGGAANATCGGAAATGGCCT
TTTTTGCAGCTAACTACTATGTGTTAGGACAGGNTTTTTAATATTATAAAAGGTATTCC
ATTTCTTATCACCTAAGTATTATTAAGTTAGTTTTGTTAGGAGGAGGATTTTCCCCCCCC
AAGTTTTTCTTTGGAAACATTGGTAATTCCTTTCACCATNCTTTGGGAACCTTTGGGTC
CAGTTTGGTGCCTTATTTTCAATTTATTTAAAAACCACTTAAAAACCTTTGGGCCGGG

Table 2

GNTTCTTTGGCCATTAAACAATTTGNTCCAGAATTTTTTTTAGGGGNNATTTTCTNGG
GGAAAGGCCAATTTTTTTTTT

Sequence 4100

ACTGCGGGGGGGCCGGGCGAGAGGTGGTTACATTCGTTGAAGGACACCAGCTGCNGAATT
TGCGGCTTTGGCAGATTGAAATCATGGCAGGTCCAGAAAGTGATGCGCAATACCAGTTCA
CTGGTATTAATAAATATTTCAACTCTTATACTCTCACAGGTAGAATGAACTGTGT

Sequence 4101

ANCTCCACCGCGGTGGCGGCCGGGCATGGTGGCGCATGCCTATAATCCCAGCACTTTGGG
AGGCCGAGGCGAGTGGATCACCTGAGGTCAGGAGTTNAAGACCAGCCTGGCCAACACGGT
GAAACCCCATCTCTACTAAAAGT

AAGGGCGGGTNTTNGCCGGTATTTTGGGGGCGCCTTCCTTTNCCGCCTT

Sequence 4102

AGGTACAGGCATCCCTGAGCCTCACTAAGGAGATTCCATTCTCTCTGGGTAAATTTACA
GCCACGTCTTCAAAAGTCACTGTGCCCTGAACGGGGAACCTTANC

Sequence 4103

GNGCTCACCGCGGTGGCGGNCGANGTACGCGGGTTCGAAGTATTATTTTGCTTCCTGN
GTTACTGCCATTCTATTTACAGTATATTTGAGTGAATGATTATATTTTAAAAAGTTAC
ATGGGGCTTTTTTGGTTGTCTAACTTACAAACATTCCACTCATTCTGTTTGAAGTGT
GATTATAATTTTTGTGATAATTTCTGGCCTGATTGAAGGAAATTTGAGAGGTCTGCATT
ATATATTTNTAAATACNATTTGGATAGGTNTTTAAATTGCTTTTTTTCATAAGGGNATT
TATAAGTTATTTGGGGTTGTCTGGGGATTTGTGTGAAAAGNAAAATTANAAACCCACCG
CTTGATTTTTACATTTTACCTTTGGTAGTTTATTTTGTGGATGGGCCAAGTTTTNTGN
TTANTTTTTTGGGGGACCTGTNGGGTAGCCTTCTTTTGGGAATTGTTTTTNGGCAAAAA
TTTAAACAAGNCTGGANAANTNCTTGNTGGTCCATNGGNANTTAAAAACCTGGGNCCTTNA
TGGTGGGCCCTTTANGGAAAATTAAGGGAAANGAAGGANGAAAAAAAATTGAAAAATNG
GGNTTGGTNTTTACCNATAATTTTTTAATACCCTCCCCCATTT

Sequence 4104

ATTGTAGTATCATGCAAGATTTATACTGTATTAATGGAGCCTGGAGTAACTCTACATTTA
ATTATTTCCATTATGGGGTAAACAGCACTTGAATTAATACAATTTAGCCGACTGATGCAG
TTTGGTTGTTTGGTTTACAAGATAGATGGGATGGGAGATCGAGAGCGCCTCAGAGGACAA
GGAGAGTTGTAGGGTGTGTTACTGGAGAGAGCCTCAGAGCATTGCCTGCCAAGCCCGCT
ATGTTGTTTAAAGCTTCGGGATTTTTCATATCCTTTCCTGATCCCTCCATCAGAAGCACAC
GTGTAATCACCTGTCGTAGTAGGAAACATGTTTCCCCTCTTCTGTTTTGTCT

Sequence 4105

ACAATTATTGCTGGGAAGGGAAATACTCCAAGATCTCCTCTTGTGCTGTTTTCCCTTTTC
TGATTGTTTACCCAGATTTCCAGAATTAGTCTGTTCCCTTCAGTGTGTGTGACCAGGTTAA
ATGCTGCTTTTTCAAGCTAGGTTGAACTCCAATAGATCTACTGTGCAATCATAACTGTG
TGACTTAGCATCATGTTCTGAAATGGTTAAGT

Sequence 4106

ATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACAGCTGCCTCCCGGCAGTCC
AGGAAAACTGCAAAAAATGGGAAGTAAGGTCTGGCAGGCAGACCCGGCATGTAGCCGCT
GGCCATCTTGAATCCTAGGGCATGAAGTTGCCCAAAGTTCAGCACTTGGTTAAGCCTGA
TCCCTCTGGTTTATCAGAAAAATAGGATGGGATAAAGAAAGTGGACACTTAAATAAGCT
ATAAATTATATGGTCTTGTCTAGCAGGAGACAACTGCGCAGGTATACTACCAGCGTTTG
GATATTGATATATACATGGCAAATCTGAATATTGTTTTATGAGAAGGCCTGGGCAATGGG
GTTAAACACCCAAACCTTTGAAATCAAGAACANTAGGGTGGCAAATGGCCACTCCTGTA
GTTTTCTTTCTGTAAATGGGGATCTGGGACCGAATGATACCAAACCGTTTTTCTTTTC
TAACCATTTGGGATTTTTTATAAACCTCTGGCCTATGGAATTGGNGTTNGTGTCTNTTGCCT
NNAAAAATNAAGGNCNCNANTTTNANTTATTATAANNAGTTACCCTTGCCCCGG

Table 2

Sequence 4107

AGGTACAGTGTGAGACGTGTGATGCTGGAACACGGGCATATGTCCATAGGTGACGTTACAC
TTGCTTAAAATAGCACTCTTCATTGACTTGTCTCTCAAACCTGGCCTTCGCATTCCCAGTC
AGCTCTAAAATCGGAGCCCTCCAGGTCACTGCATTTAAGGCTTTCCATTATCTCCCAGTT
GAATGCCCCGATTTCAAAAATGTCTTTTTGTAGAAATTTCTCACACCTGGACTCCAAGTC
TAGGCACCATGGTCTGTACATCATTTGCAATCATCCAGGGCTCTTCCCTTGCTCCAA
TAAGGAGACGACATCAGGCTTAGAAATGGAGAGTCCAGTGAGGCCAAGTGACCAAAGTT
CTCCAGAGTCACCTCCCTGTACCTGCCCC

Sequence 4108

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAGAGTGTTCAAAGCAGGCCCG
AGCCGCTGGATACCGCAGCTAGGAATAATGGAATAGGACCGCGGTTCTATTTTGTGGT
TTTCGGAAGTGAAGCCATGATTAAGAGGGA

Sequence 4109

CACTCCCCCTTTACTTACTGAAGCTGTGTCAATTGTCTGGGGTAAATACCCAAGGTTTCATC
ATNTCACACCAAGGAAATCAAGGACATGGACACACAAGAAGTGAGTTTAANAGTGAGGT
TTAATAGGTGAGAGAAAAGAGAAAAGCTNTCCTTNCTGCANAGAGGAGCTCCTGAGTGGG
TCTTCCAATTTTATGGNGAAACNCATAGGGTTTTATAGACAAGCTTGANAAGTGNGTCT
GATTTACATAGGGCACAGGAGATTGGTCAGACCAGGTGTGCCNCCTCAACCTAATCTTTT
ATTATGCAAATGGGTTCTNTACCTGCCCC

Sequence 4110

CCGGGCAGGTACTCTCCAAGCTGCTCAAAAAGCTCACANNGGGNGNGNNGATTAAATTCT
GAGGCTCTTCCACANGAGGTTTAAATTCATCGAACACTTTGGCATAGCATTATGAGGAT
CTGCAGCGGCACAGCACTTCTCTAGAGTGGTTTCATATGTCTTGGCAAGTCTCAGCAGCA
GCACGACAGAGTAATCAGGATGCCTTCTTGCAATTCATACAAAAACCTAATTAAGATGA
AAATAAAATAGACTTTGTTGGACAAATGAGCCACAAAAAATTATCACAAAGCTAATCTC
AAAAGTAAACTCATATTCAAAAAGGTCTTAATTTGACTAAAACCCCATGCCAGTTAAAAG
CTTTAAGTAGGCTTAAGGGACTTTGGGGGTCCCAGGAGTTAAAAGTTTACCCAAGGGCTC
AATTCCTAGCTCTGCTTACTTATTATCCCCCGCGTTACCCTCGGCCGCTCCTAGNACT
AGTGGGATCCCCGGGGCTGCAGGGAATTCGATATCAAGCTTTATCGGATACCCGTCGAC
CCTCGGAGGGGGGGGGGCCCGGTACCCAAGCTTTTNG

Sequence 4111

ACCTTGTCGGTGCCAGCTGCATTAATGGAATCGGCCAACGCCGCGGGGGAGAGGCCGGGT
TTGCGTATTG

Sequence 4112

AGCTCCACNCGCGNGGGCGGCNCGCCGGGCAGGTACCCCCTTGACCGGCTGGAGATTGA
NGTTGCGGNANGGGGGGAGACTATAAANAATAATNTTTNNTTTTGGAGGATACGGATAT
GAAATCTCTAGAGAACAAAAGTTTGGAAATGACCTTCATCCCTACCATTGAAGATACTGG
AAAAGCTCTTGTTTGTGTCAGGCTAAGTTACATATTGGATGACATGGAATTCGAACCCAAAC
AAAGGGCAGGAGTACTNTTTTTTGTGTTTTCAGTTTTTNGNNTTNNAAACNCAGNTTTT
TTTATTTGTAAAAGCCTCTGGCCNATAAAACNTTCTTAGCCGGNGTGCCCAAATGGGN
NCACCTTGCCACACTTCTGTACCCCAANGGTTTGTCCCNTTGGTTAGGCCCNAGCNAA
ACCAAGNAGGTTCTTGGGGCCCNATTTCAAGCCNAGGACCCCATGGGCCCAAGGGGGAAG
GGGTGGCCNCCTTGGGGGGGGNTGGGGTTTTCTTGCCCCCTTGGCCTTGGTCTNNGGT
AACCCTCGGGGCCCGGCTTCTTNANAAAACCTATNNGTNGGGNANTCCCCCCCCCG
GGNCCTNGNAAAGNGNAAANTTTCCGANTNNTTCAANAGNCTTTTATTTGGGATACCCCC
GCNCNNAACCTTCCNAGNGGGGGGGGGGCCCGGGG

Sequence 4113

ATTGGACTCCACCGCGGTGGCGGCCGCGGGCAGGTACNCGGGGGCTTCAATATGGCTG
CCCCAGGGAGAGACGAGACTACCATGAATGATCCTATCGCAGACCCTGAGTCCGTCACC

Table 2

CATGGATCGCAGCGCGGAGTTCAGGAAATGGAAGGCGCAATGTTTGAGCAAAGCGGACCT
 CAGCCGGAAGGGCAGTGTGACGAGGATGTGGTAGAGCTTGTGCAGTTTCTGAACATGCG
 AGATCAGTTTTTACCACCAAGCTCCTGCGCTGGCCCGCATCCTACTCCTTGACCGGGT
 ATAAATGGTTTTGAGGTTNAAGAAAAACANAACTGGTTGCTGGGCTACTGGGTTACACAC
 AAACCTTTGGTGGTAAAAAGATGATGTGATTTGTAGCTTCTTGAAAGGAAAAAGNCAAAAT
 GGGTTGATGCCCACTTTTTTGAAAAATTTNGAAACCCATTTTTGTTTTCTTTCAATTG
 GTGGCCANATNGNTCCGAACCNAAATTTTGCCAAGGGGAATTGCCANCAAGAATTCCTGG
 GCAATTTTCCCAATTGGGGCCAAATTAAGNATTTTCTTGGGNTTTTTCAAGGGGAAACCT
 TTTTNGGCAATTAACCGGNTNGGGGGAAAAAGGAAGGAAGGGAAAAAACCTTNTNTT
 TTGGGNCCTTGGTCCCGGGANGTTACCCNTTCNNGGNCCGGCTTAACCACCNCCCTTNA
 CGGGNCCCCCGGGCCAAAGGGTTACCNNGGNAACCACCAANCCAAGGGGAAACC
 NGCNAAAGGGGCTTTNTTGCCTGGCANTGAAGCCATGGGGGAAGGAAATTAAGGAATT
 T

Sequence 4114

CCGGGCAGGTACGCGGGGACTTTAGGGAGGGCTGTCCTAAAACCAGAAGCTTGAGCANA
 AAGTGAAACCCTGGTGTCCAGACAAAGATCTTAGTCGGGACTAGCCGGCCAAGGATGAA
 GCCTCACTTCAGAAACACAGTGGAGCGAATGTATCGAGACACATTCTCCTACAACCTTTTA
 TAATAGACCCATCCTTTCTCGTCGGAATACCGTCTAGCTGTGCTACGAAGTGAAAAACAA
 GGGTCCCTCAAGGCCCCCTTTGGACGCAAAGATCTTTCGAGGCCAGGTGTATTCCGGAAC
 TTAAGTACCTCGGCCGCTCTAGAACTAGTGGGATCCCCCGGGCTTGCAAGGAATTCCGA
 TATTCAAAGCTTATCGATTACCGNNGCACCCTCGAGGGGGGGGGCCCGGTACCCAGCTTT
 TTGTTCCCTTTAGTGAGGGTTAAATTTGGCGCCGCTTTGGGCCGTAAATTCATTGGTCA
 TAAGCTTGTTTTCTGTGTGGAATTTGTATCCCGCTCACAATTTCCACACAACAATAC
 GAGCCGGGGAGCATTAAGGTGGTAAAGCCCTTGGGGGTGCCCTAAATGGAGTGAAGCC
 TAACCTACATTTAAATTGCGTTTGCCTCACTTGCCCCGCTTTTCCANGTCG

Sequence 4115

ACTNGTGC GTTGTATTTCTTCACTCTCTGGCAGGCTGGGAGTCCAAGGTCAGTCTAGGCA
 NGAGGGCTGCTTGGCCTAAGCAGTCACACAATTTTACCGTCTTGAGCATATCTGACAAG
 ACATACGTGTATCCCAACCCCTCCCAGGCTTCTCAGGGTCCGCTCCAAAGCCTGGGCT
 GTTTCTAGGAGCTCTGGTGTGGCAAGTTTTTGTCTCAGGGTGCAGCTGACAGAACAGGATC
 TCATTCACTTCACCCCTCAATTCGCCCCGACATATAGGGAGGGGGGAACACTGCCTTGGGA
 GCCCAAGCCAGCACTGGAGTCTTTTAGCCCCAAGTCTCGGCACACCAAGGTTTGAAGAAA
 TAAAAACCACCTTCAGGGAGTTCAAGATGCTTTTAACTTCTGTANGAAAAGATTGCT
 CCACAAAATGCTGGGGGCGGGGACAACCTACCCCGCGTACCTTGCCCGGGCCGGCCCCGCT
 CTAGAACTAAGTNGGATCCCCCGGGCTGCAAGGAAATTCGATATCAAGCTTATCCGATAC
 CCGTCCGACCCTCGAAGGGGGGGGGCCCGGTACCCAAGCTTTTTTGTCCCTT

Sequence 4116

CCGGGCAGGTACCAGTCCAATACCATCCTGCGTCACCTGGGCGGNACCCTTGGGCTNTAT
 GGNAAGGACCAGCAGGAGGCAGCCCTGGTGGACATGGTGAATGACGGCGTGGAGGACCTC
 CGCTGCAAATACATCTCCCTCATCTACACCAACTATGAGGCGGGCAAGGATGACTATGTG
 AAGGCACTGCCCGGGCAACTGAAGCCTTTTGAGACCCTGCTGTCCAGAACCAAGGGGAGG
 CAAGNACCTTCATTGTGGGAGACCAGATCTCCTTCGCTGACTACCAACCTGCTGGGACTT
 GCTGCTGATCCATGGAGGTCTAAGCCCTGGCCTGCCTGGATGCCGTTTCCCCCTTGCT
 CTCAAGCATTATTGCCGGGGGACCCCTCAGTGCCCCGGCCCAAGCTTCAAGGGCCTTTCC
 NTGGCCTCCCCTGAAGTACCTCGGCCGCTCTTAGAACTAAGTGGGATCCCCCGGGCTG
 CAGGGAAATTTCCGATATTCAAGCCTTATCGATAACCGGCGACCTTCGAAGGGGGGGGGC
 CCNGTACCCAAGCTTTTGTTT

Sequence 4117

CTCCCCCCCNGTGGCNGNCCGACGTACGCGGAGNAGTGCCCCAGGAGCTATGNCCNGNGG

Table 2

GGGGGNAGNAGGGTGCCNGNAAAANAANTATTTTTTTTTTTTTNTTGTCCGCGGATACA
GAAATCTCTGCANGCAAGTTGCTCCANAGCATATTGCAGGGACAAGCCTTGTAACGAATA
NTTAAATTCACCGGCATCTTGATTCCCTAATCCTTTCCCGAAATTGGCCAANNTGCTG
AAGTGCCCTTGTTATAAAAAATATTNCTANTGGTTACCCTTCCAACCTTTCTTGGTTC
NTGNCCTAATGTTGGGTNATNCCTTGGAATCCCTAGNCAATTTAAGCCAATTNATTGGG
GGTNACCCTNGNCCCNGGGCCNGGGCCGCTCCTTNGAAAACCTTNGGTNNGGATTCCCC
CCCCCGGGGNCCTTGGCCANNNGGAAATTTCCGGANTAATCAAAAGCCCTTTAATTCN
GGANTTACCCCGGGCCCGAACCCCTCCAGANAGGGGGGNNNGGCCCCCNNG

Sequence 4118

ANCTCCACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTCCCAATGGGG
GGNGGNNGNAGAGAAGCACANNAANATTTTTTTTTTTTTTTTNGAAACCCCAA
NTTGTNTCTNATGGCCTTTCTTCTCCATTGTGATCTCTGGGAACCTTGAGTCTAAATTT
ANGGGCTGAAAGTCTCTGCTAGGAGCTTTCCAAAATGCCATTGCTTTGATTNTGGNGA
ACTGANTAGGAGGANAACACCTGGACTACTNTGAGTCCCTGAGTTTCAAATTCCTCCTCA
AACTGGGTTTCTTGGAAGGNNGGCCTGTACCCTGCCCGGGGCGGCCCGGTTNTTAN
AAACCTAGGNGGGATCCCCCGGGGCNTGCAAGGGANATTCGATTATTCAAAAGCCTT
ATTCNGATACCGTTTCGACCTTCANAGNNGGGGGGGGCCCGGTNACCCCAAACCTTTTT
GTTTTCCCTTTTTAAGNTGGNAGGGGTNTAAATTTGGCCCCNCTTTGGGGCGATAAA
ATCCAGTGNGGNTCCANTAAGGCCTNNGTTTTCCCTNGNNGGNGGAAAAAT

Sequence 4119

ATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGGGGGTGGGGTGGTCGTT
CCACCTGTGNTGANNGGGGGGCNNAGCTNTNANAAANAAAAAATCCNGTCTAG
CTGTCACCCAGGCTGGAGTGCAGTGGTGTGATCTTGCTCATCACAACTCCATCTCACG
GGTTCAAGCAATTTCTCCTGCCTCTCTTCCCGAGTAACTGGGATTACACGCACGCGCCACT
ACATCCGGCTAATTTTTGTNCTGCCCGGGGCGGNCCGCTCTANNAACTAGTGAATCC
CCCGGGCTGCAGGGAATTCGATATCAAACCTATTGNATTACCCGTNGGACCCTCANNATG
GNGGGGGCCCCGGTTACCCAAGCTTTTT

Sequence 4120

NCACCGCGGTGGCGGCCCGCCGGGCAGGTACCACNATGTATAGAGCAACACTGGGGTAAG
GNCANTGNGGGGATGNATAGANTNNTTATACCTGTGCAAACGTAACACATGCCACCATGC
CAAGGATGTGGCGGAACAAGCAGCCCTACCAAGGCTGGGGCCCCATGGACTTTNGNGCCT
GCTGGGAGTTTATAGGTCTGNGGGGGACATAAGGATGGCCATATCTGCCAGCNAACTAG
ACTGGACATTGTTACCTCGGCCCGCTTTAGAACTNAGNNGGANTCCCCCNNGGGGCTT
GGNAANGGAANTTTTCNNATTATTCNAAGCCTTTATTCNGGATTACCCGNNCCGNACCCCT
NCGGNNGGGGGGGGGGGCCCCCGGGGTACNCCCCNAGCCTTTTTGNGTTTCCCCCNTT
TAANNNGGAAGNNGGNNTTAAATTTGGCCCGCCGCTTTGGGGCGGTAAATTCNANTNGGG
GTNCATTANAGCTTGGTTTCCCCTTGNGTGGNAAAATTGGTTNATTCCCGGTTCAAAA
ATTTTCCCNACANAAANNCATNCCGAAANCCCCGGGGGAAGCCTNTNANAANTNGGTTA
NAANGCCTTNGGGGGGNGGNCCTTAAATTTGGAGGTGGAAGCCTTAAACNTCNCATTT
AAATTTGGCGGTTTGGGGGCTNCACTNGGCCCGCTTTTTCANAAGNGCNGGGGGAAAA
CCNCTGGTCTNNGNCCCAGGCTNGCGANTTTAANATGGAATTCGGGCCCCCA

Sequence 4121

CGAGGTACACTGATCTACAAAAATTTTAAATGAGCCCGGGCGCGGGGACTNANGCCTGT
AATAANAAAACCTTTNNNNGGCCAAAGCAGGCGGATCATGAGGTCAGGAGATCAAGACCAT
CCTGGCTAACACGGTGAAACCCCGTCTCTACTAAAAATACAAAAATTAGCCGGGTGTGG
TGGCGGGCACCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAAGCC
GGGAGGTGGAGCTTGCACTGAGCCCCGAGATCACACCACTGCACTCCAGCCTGGGCAACAA
AGCCAAGACTCTTCAAAAAAGAAAAAATTTTTTTTTTAAATTTGAAGCTGGGGGTGT
TACCTGCCCGGGGCGGCCCGCTCTAGAACTAGTTGGGATCCCCCNNGGCTTCAAGGA

Table 2

ATTCGATATTCAAAGCTTTATTCGGATACCCGTNCGAACNCTCGTAAGGGGGGGGGCCCC
CG

Sequence 4122

GCTCCACCGCGGTGGNTGCCGAGGTACGNNGGGGCTGNNTAAAGCCGTGTCTCATCTACC
TGCTGNCTCNTTNGTGTCTTCCAGCTCCCTGCCCCCATCAACCCACTCTCCTCAGACC
TCAGCTGGGGCTTGAACCTGATAATTGGTGTAGTCATCAGGATGAGATTTAGAAGTGGTG
GTGCCCCCTTGTGTACAGCATTGGCAGTGTGCAGTTGGGCCATCAATAATCCAAGGTC
CAAGGGCCGGAATTGTCTGCCAAATTCTTGGGAGTTATTTGCTCAGCCACAGGTTGGCAT
GCTCCAACAACATTGTGGACTGGGCTCACACCTATGCTGAGGTGGCCAATGTCTCCAAC
GTAGATCTGCACCACCCCTTCCAGCAGCAGCTGTGGATGGCTTGCCCTGGCATGTGCATC
CAGCTTTTGTGAAGAACTGGACATGGCTAGAACTTGGGGTCCCACAGACAATGGGCGGG
ATGCAACATGGTGAGCTTTGGATGGGGGTGTCAAAAACCCATGGCAAGCCTGCCCCCTG
GCTGACTCATAGCATCCATGATGAATGGGGCTGGCTAATGGGGAGAAAAACATGGTGGCC
CCATTGCAAGTACCTGCCCCGGCGGNCGCTTCTAGAACTAAGTGGATCCCCCGGGCTGCA
AGGAATTCNATATCAAGCTTAATCGATACCCGTGACCTCGAGGGGGGGG

Sequence 4123

AGGTACAGAGAACTGCCAATGGCTCATTAAATCATGTNGNGGGGNCNTNANGTCGCTCN
NNNNNATANTANTTTNNTAACTGCGGNAANTCTAGAGCTAATACATGCCGACGANGCGCT
GACCCCTTNTTGGGGGGGATGCNTGCATTTATCAGGATCAAAACCAACCCGGTCAGCCC
CTNTCCGGCCCCCGGCCGCTCTAGAACTAGGTGGATCCCCCGGGCTGCANAGAATTCTGAT
ATCAAACCTATNCGATACCCGTCAACCTCCNAGGGGGANGCCCCGGGTTA

Sequence 4124

CCGGGCAGGTAAGTCTCGGGGACCTTGAGCCGGGCGAGCGCTGTGGGCCAAGCAGGGGTTGCA
GGGCAGTAGGAGTGCAGACTGAAAAAATGCAGACCGCCGGGGCATTATTATTCTCCAG
CTCTGATCCGCTGTTGTACCT

Sequence 4125

ACAANGGTCTAGCTTTTGGCCTGCCTCANCTGTTGACATGCCTTCCTCACTAAGCTTAA
TCATTTCTAGCTTTCAATTTAAAGTAAGAAGTGTGTGACCTTCCTTTCAGTTGAACACT
GAGAAGCCATTGTAGGATTATTAATTCAATATTAATTAATTTCTATATTGCTCTGTCTTA
GGGAATAAGGGAGGCCCCGAGGAGAGGGAGAGAGATGGGAGAATGGCCAATGGGTGGAGCA
GTCAGAATACACACACTGTCTCTTGATTAAGTTCACCATCTTACAGATAGAGAAATAATG
AAAAAGTTTGAATATTGTGAGAATTATCAAAATGTGACAGACACAAGAATGAGCACATG
CTGTTGGAAAAATGGTGCCAATAG

Sequence 4126

ACAAAGTGTTAGCTCCACTCTTTCTCCTTTGAATACTGAGTATTAACTTTTGAATTTA
TTAATAATTACTTAGTTCTCCCAATTCCTTCCAACCTCTGAGCGTTCTCTGACATCATG
CAGTAGCAACTCCTTTCTTGTCTCTGGGTCACTTGAATAACTTAATATGAAATGCTTT
GAGACCTTCAGAGAATCAGGACAGTCGCATACTTTGGCCAGGCACCCGCAAGACGTGCC
AGGAGGTTTACGTGCCTGTCTCTCTGCCTCTAGCTGGCTGGGGTTGTCCACGGCTCTGA
GGAGGGACACACGCAATGCTGAGAGCCTGCAGTTCCTCGGGGGTGGTCAGGAGAGT
TAAATTGCGCCGCTTGGGCGTAATCA

Sequence 4127

TGCGATTTTCTTTTGCAGGTTGCATGCCAGCCAATATTCCTCTGTGCTGGGAAGGGAAA
GTTTGAGGATGTATCAAGACCATAGCAGTGGATCTCACTGCTCTTGCTACTCAGGGCTT
TATCTACACATTGATAGCCCCCTCAGAGGAAAGGCACCGCCGAAGAGTCGACACTGGCTC
TGGGCTTGATGCTGCCTCTGATAAACGCTGGGCACTCTGACCTTGAAGCCAGGGAGGG
AGTGCTTGGCAGCTGCCCCCGCGTACCTCGGCCCGCTCTAGGAACTAGTGGGATCCCCC
CGGGCCTGCAGGGAATTCGATTATCAAGCTTTATCGATACCCGTTTCGGACCTTGAAGG
GGGGGGGGCCCCGGTTACCCCAAGCTTTTTGNTTCCCTTTTAGTTGAGGGGTTAAATT

Table 2

TGCGGCCGCCCTTTGGGCCGTTAATTCATTGGGTTCAATAAGNCTGNTTTTTCCCTGGTG
GTGGAAAAATTTGGTTTAATTCCTGGNCTTCACCAAATTTNCCACCAACAAACCAATAA
CNGAAGCCCCGGGGGAAGCCATTAAAAAGTTGGTAAAAGCCCNCTGGGGGGTGGCCTTAA
TNGAAGTNGAAGCCTAAACCTCAACAATTTAAATTTGGCGGTTGGCCGCCTCNACTTGGC
CCCGCCTTTTNCCAAGTTCNNGG

Sequence 4128

ACGCGGGATTCTCACTGGTGCTCAAGGTGACATTTTCATCCATAAATCTGTATGTGGTTT
AAATATTTTAAATTTTAATCAGAGTGCTAGCCATTGTTTAAAAATACAGCTTCCTAAAT
GTTTGCAAAGCAAAGCAGTGGCGTCCAGTAGAACTTTCTGAAGTGATAGAGATGACCTGT
GTCTGCACTGTCTAATAACCTCATGTGGCTTAAAGCACCTGAAATGTGGCTATTATGACT
GAAACTGAATTTTAAATTTAGTTAATTTAAATAGCCACATGTAGGCCGGGCACGGTGGC
TCCCAGCACTTTGGGAGCCTGAGACGGGCGGATCGCCTGAGGTCAGGAGTTCAAGACCAG
TCTGGCCAACATGGTGAAACCTGTCTCTACCANAAAAAAGNNAAAAAANGGTA
CCTCGGCCCGCTCTAGAACTAGGTGGATCCCCCGGGCTGCAG

Sequence 4129

AGCTCCACCGCGGTGGCGGCCGANGTACGCGGGGAGGTTGAAGTCTCCTAAGATGCCCGG
TGGGCTGGGGCACCAGGAGCTGNGAANGGAACGTGAGGGGGCGGCCGTAGTGAGACCCA
CGGCAGGCCTGAAGAAGAGC

Sequence 4130

AGGTACGTGTAAACTAAATGTCTTTGTAAATCACTGAGTCTTCCTGTTTATTTCTGG
TTAGAGATCTTTGGGGGCTTGGATGGAGGAACAGGAAAAGAGGAGCCAGGCTTTTTTGA
AAATTGGCGGCAGCGGTGGCATAACGGGAACTGAAATCTTTATCTAATCTCATCCTTTGT
ATATTCGTCTTGGATTGTCTGAAGAAAATTAAGGTAAATTTTGTGTGAGCTCACTGA
ACTCAAATTGAAAGGGAACATATGCTGTTATTTTGTGAAGGACATTAATTGGGTGTGA
CTGGCAGGTTTGAGACCTGAAGTTCCTCTTTTAGATAAGGAAAATTTCCCTTGGTCCCGC
GTACGACTGTCTAATATCCTGCTGGACATTTAGGTAGGACCTACAGCTTGCCGAGAGAG
TAACTCATTTGTTTTCTCTGAGACAATCTGTAATTTGTCTTGTCTATTATCCTTAAGTA
AGGTAATTTGCTCTTTCTTTTCCCATATACAGATTATGTACCT

Sequence 4131

AGGTACTTTCTNTTTTTTTTTTTTTTTTTTTNGATATTTAATGATGNAGCTTCTAAAT
TGGTAGTTCTGTCTTTGAGTGTGAACCTAAAAATTATGAAAATGCGGCTGGGCGCGGGG
CTCACACCTGTATCCAGGCACCTTTGGGAGGCCGAGCCACTGCATCTGGCAGNAACATAT
ATTTCAAAGAGTANCTGGCCACTAGGATCTACCTACCTACATTTTGGNGCAAACCTA
TTACTTTGGGGGACATCTTTCTTTTTTCTTTTCTTTATTTTTTTTAAATTTACANAAT
GGGGTCTCTGTTAATGTTTTCCCAAAAGAAGGGCTCAAAGGNTGCANNNNGGCNTATTT
CCACCAAGGGCNATTGGATTCAATAAGCCNCCAACCTTNTTAAGCCCTTTNGGAAAACCT
TCCCNNGGNCNTTCNAAAGNNNGGAATNCTTTTNCACCAANTAAAGCNTTTGGAN
GAACCAAACCANGGGTTAACCNTTGGCCCCCGGGGCCGGGGCCCGGTTTTTTTTTAAAA
AAACATTAANGTTGGGGATTCCCCCNCNGGGGTCNTTGGCAAGNGGAAAATTTCCGAA
TTATTTCAAANGCCTTTTATTGCAATTACCCGGTCCGNAACNCCTTTTAGAGGGGGGGG

Sequence 4132

AGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGGACCTTGCG
ACCGTATCCGCTAGCGCGGCCTGGGATGCAGCTAGGGCTCCCTGTTCTCCCATGCA
GGGCAGCACAAAGGAGAATGGGCGTCATGACTGATGTCCACCGGCGCTTCCTCCAGTTGCT
GATGACCCATGGCGTGCTAGAGGAATGGGACGTGAAGCGCTTGACAGACCGCACTGCTACA
AGGTCCATGACCCGCAATGCCACCGTAGATAAGTTTGGAGGACTTCATCAACAACATTAA
CAGTGTCTTGGAGTCTTGGTATATTGGAGGATAAAGAAGAGGGAGTCACGGNAAGNAT
GNATGGGAGACCCATTTATGCCGTTTGGGTGAAATCTTGCTACAACTTCAATTTCCA

Table 2

AAAATGGCTTACCGGGATTTTTGCCAGAAGNAATGGAACCTGGATTGTTTTAAGAAAGG
GCTTNTTGGGAACCTGATTATTGGACTTCAAAAAACCCGGCTTTGCGTTCTTTCCCACAA
ACATAATTGGAACCTGGGTTTGATTCANACCTTAAAAAGGCCAAGGAAAGAATGTAAGGA
AAGAAAGGGAAAGCCGGGAAGCAAAGGTNCCTTGCNAAAAAAATTTTTGNTTTCNAAAA
CAAAGGTTGGGCTTGATTTTGAANAAAAGGAAAAGGGGGGAGGTTTCAACCCCTTGCA
ACCGGGCCGGTTTTTANGAACTNAGTNGGGATTNCCCCCCCCGGGNCCTTGCAAGGGAA
ATTTCCAANTATTTAAAGNCTTTATTTGCGNATANCCNGTCCGAACCCCTCNAAGGGGGGG
GGG

Sequence 4133

GNACTNCAACCGCGGTGGCNGCCGATGTACCCAACAGAGGTTAGCATCAGCAGCAGGCCGG
CGCCCAGGAGGGGCAGCAGCCTCACGCGGGGCTTTNTGGTCTCGGCCGAGAAGCCGAGA
TGACGAAGGGAAACCGTCATCGTTTGAAAGCGTCGCAATAAGACGCACACGTTGTGCCGC
CGCTGTGGCTCTAAGGCCTACCACCTTCANAAGTCGACCTGTGGCAATGTGGCTACCCCT
GCCAAGCGCAAGGAGAAAGTATAACTGGAGTGCCAAGGCTAATAAGACGAAATACCACCC
GGGAACCTGGTGAATGGAGGCACCTTAAAAAATTGTATACCCGCCANATTCAGGCCATTG
GGATTCCCGTTGAAAGGGAACCAACCACCTTAAACCCCAAAGAGGGGCAGCCTGTTGGCA
AGCATCCAGTTCATTCTTTAAGGAAATGTCAAACCGATTTAGTCAATGCCANTAAATG
GTTTCTTGGGTTTTTGGAAAAAANAACGAATTTNTNAAANAANGGTTACCCCTTGCA
CCNGGNCGGGCCCGGCTTNTAANAAAACTTAAGTNGGGATCCCCCCCCGGGGCCTGNC
AAGGGGAAAATTTCCNAATAANTTCAAAANNCCTTTATTCCGGAATAACCCGGTNCNTAA
CCCTTNTAANGGGGGGGGGGGCCCCCGGTTACCCCAANGCNTTTTTTGTTT

Sequence 4134

GCTAATTGNAGCTCCACCGCGGTGGCCTACAGCTGCCAAGAANAGGANAGTGGTAAATTT
CATTTCTTGGGATGAGGAGTGAGTATAACCACANAATCTGCANAAGGTCTGGGGAATCCC
GCGTACCT

Sequence 4135

GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCTGAGCATCAGCAGAGATGCCGAGA
TGAAATCAGGGAACCTCTAGGGGATGGGTCTTCTATTACCTGGGAACACCTGAGCCAGAT
GCCTTACACCACGATGTGCATCAAGGAATGCCTCCGCTCTACGCACCGGTAGTAAACAT
ATCCCGGTTACTCGACAAACCCATTACTTTTCCAGATGGACGCTCCTTACCTGCAGGAAT
AACTGTGTTTATCAATATTTGGGCTCTTCAACACAACCCCTATTTCTGGGAAGACCCTCA
GGTCTTTAACCCCTTGAGATTCTCCAGGGAAAATTCTGAAAAAATACATCCCTATGCCTT
CATACCATTCTCAGCTGGATTAAGGAAGTGCATTGGGCAGCATTITGCCATAATTGAGTG
TAAAGTGGCAGTGGCATTAACTCTGCTCCGCTTCAAGCTTGGCTCCAGACCACTCAAGGC
CTCCCCAGCCTGTTGTCCTCAAGTTGTCCTCAAAGTNCAGGAATGGGGAATNCCATGTT
GTTTGGCAAAAAAAGTTTGCTTAATTTTTAAAGGTCCTTTTCGTANTAANGAAATT
AAATGGAGGACAAATTTTTCTACCCAAAAGGGGAAGAACCAAAAAGGGGTTTAAAN

Sequence 4136

TCCCCGCGGTGGCGGCCGAGGTACCTGACCAGACACACCCAAATGCATGTCATACTGCAC
AAATTACACATTGCAAAGTGTGCTCTGCACTGTTATGGAAAACAATTTGCAGAATACT
TCCTTTTCCCTTCTGTTGTGCCAACTCTTTATTATAGGATAGGGATTAAAGGTCAGGGT
TACATGGAAGCAGGGTCCCTGGGGTGTGTATCAGCCTGATGCCGCCCCACCTCAGCTG
CCCCTCCACTTTCATCTCCATTCTTCTTTATGAGAGCAGAGAGGAGAAGGGAAAGACGT
GGCAGAGGAATAAGCAGAGATGGTTACCCTGAGACAGGACTTTGGTCCACATCATTTACT
TGAGAGGTGATCCCAGGAACCATGGGGACAGTGACACAAGGAAGACAGGAAGCCAATGAA
GGGTATGATGACCAAGTGGGTGCCTGGCANTGAGTGGACAGGCAAGGCTCAGCCTGCTGGG
GCCCCCTGAGAGACTGCAGAACTCTCCCANATTGTCCCATTTGAAAGACAAGGGGAGTGG
GG

Sequence 4137

Table 2

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTAATACACTCCAAACCTC
AGACTGGTGATATTGCATTACTTTCTATAAGATACACACTTATATTTTGCTTAAAGAAGC
ATTTGCAGCTTTAACCCATTAAATGTAATATATAAGGCAGATGGTTCTTGACAACATATA
TCTTGAAGAAAACCTGAAAAAATCAATTAGGTGTTTGGCAGCACTCAAAAAACAGCCTAA
TAAGCTCATTGCCATGCAAATCACCTACAATGTTAAATATATAAACTGCTGTATTAAGC
TCGGAGAAGGAGGAAAAATTTCTCTTCACTCATGTGACCGGAGACTAAAAGGAAGGCTCC
AGGGGTGCTGCTGGCTGGGAAGAGAAGTGGGGAAGTGGCCAGTAGAGGTGGAGATGCC
AGGGCAGAGGGAAGTGGGCTTAACGGGGCAGGGCTGCCTCTAGAAAGAGCCAGCTTTTCT
AGCACAGGTTAGGAGTGAGGCAGCAGAACTGGGCTTAACAGGGGGCAGGACTGCCTCTAG
AAAGAGCCAGCTTTTCTAGCACAGGTTAGGAGTGAGGCAGCAGAACTGGGCTTAACA

Sequence 4138

CCTATTTTGGCGAATTGNAGCTCCACCCGCCGGTGGCGGCCCGNCCGGGCAGGTACACAA
ATGTTACAGCAATATTATTCATAATAGCTAAAAAAGTAGAAACAACCAATCAATGGA
TAAATGGATAAACAAAATGTGGTATACTACATAATGAAATATTTTCTCCATGAAAAAT
GAAATGAAGGGCTTGACCATTTGGGTGGGCTCACCGCCTTGTAATCCCAAGCACCGTTGGG
GGAAGGGCTTGAGGGCAAGGGCCGGGGATCACCTTGAAGGGTCCAAGGGGAAGTTTTG
AAGNACCCAAGCCTTGGGCCCAAACCATTTGGGTGGAAAAACCTTGTCTCTTACCTTA
AAAAAAAATACCAAAAAAAGGTAAAGCCTTGGGGGCCATTGGGGTGGCCAGGGGCC
GCCNTGTATAAATCCCTTGGGCTTACCTTNGGGGAAAGCCCAAAAGAACCAAGGGAAG
GAAATTCGCCTTTGNAAACCTTAAGAAAAGGGGCAAGAAGGGTTGGAAAGTTGGAAG
CCTTGAAGAACCTTGCNACCCACCTTGGCNACTTCCCAAGCCCTTGGGGGCCAAAAGGA
AAAGAAAATTGAAAAACTTCCCATTTCTCAANAAANAAAAAANATTANAATTGGA
AAAAAAAAGGTACCCTTCGGGCCCGCTTCTAAAAAACCTAAGTTGGGGAATCCC
CCCGGGGCCCTGGCAAGGGAAATTTCCGAATANTCAAANCCTTTTTCGAATTACCCGCT
CCGACCCTTCGNAGGGGGGGGGGCCCGGGTAACCCCAAACCTTTTTTGGTTCCCTT

Sequence 4139

ACGTACTTTTTTTTTTTTTTTTTTGCANTCTGCTTCTTTGATATGCCTTAGGGTTAC
CCATTTAAGTTAGAGGTTGTNATGCAATGGTGGGAATGAAAATTGATCAAATNTACACCT
TGTCATTTTCAATTCAAATTGCNGCTGGAAGCTTCAAAAAAAGGGTAGGCATGAANAAAA
AAAAATCAAATCAAACCTTTCAGGGGTTTGTGTTCTGATATGGCAGACAAGATACCA
CAGTCCCACCNAGTAGATGGAACCNATTCAAAATTAAGGGGTAAATGGGGCCTGACCAA
AGGNTNTTTGCCAGCCATTGGGNACCNNAATGANGCNACAGGCCTGAAAAAGTTNTTT
NGGATTAATATAGGCACCTACTAGTCTCTGATGGTAAGGGGAAATTTNTTGTAGGTCC
AAAACCATACCNCTTANAACCTTCCCAAGGGGAAAAANTCTTTTACGGGTTAGCCCTAA
AGCCTTTNGCCTTTTTTTTAAAGAGTGGANTGAAGTTTGCCATTGGCTNCCTGGTNGA
ATTTTTTTTTTGAAAAAAACCAAAACCTTGGGGTTTTTTGGGTACCTTTTGGGGCCCC
GCCTTCTTAANAAACCTTAAGGTGGGNAATTCACCCCGGGGGCCTTGGCCAANGGG
AAAAATTTCCCATTTNNTTCAAAGCCTTTTANTTTCCGANTTCCCGGTACGGACCCCT
TNGNNANGGGGGGGGGGGGCCCCNGGTTACCCCAAACCTTTTTTGGGTT

Sequence 4140

TCCCAATTTTGAAGCAAAGCCAGACACTCCTAGCCTGCGGCCAACCCTTCCAGGGTTG
TCAGGACTTCCACCCACACTGACCCAGGGTGGCTTCATTCTGTAAGGGAGAACCTGCCA
GAAGCACAACCTTATCTTCAGGGATGAGGCCCTCCAGGGATGCTACATGGGCCTTGCTCT
GGGCAACCGTCTCCAGGCCGGTCACTTCAAGAGTGTGCCCCGCGTACCTGCCCG

Sequence 4141

ACTTTANGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCTGGCT
AACATGGTGAAACCTGTCTCTACTAAAAATACAAAAATNNGCCGGGCATGGNNGGNTNAC
GCCTGTAGNCCCATCTGCTNGNNANGTTNANGCAAGAGANNCTTGNACCCANGAGGTG
GAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAAGACT

Table 2

CCATCTCAAAATTAAGAAAGAAAGAAACAAAGAAAAGAAAGCTTATATTGAACTTCTC
TTAAAAAAGAAAAAAGAAAGCCTGATGCACACAAATCTAAATTTTGGCAAAGTCGA
TCAATTTAAAGGATATTTTATTTTGCATTACAAAAATAATTTCTTACCTCCCCC
AATCAATAAAAAAGTTCAAATAGNCAACTTTTCTAATGGTGTTTTAAAAATGTAATTCA
CCAAATNCCATGTGTTCCCCAACCTTTNTTTTCCAAGTTATAAATTTCTATTGGNGTAAA
AGTGGAGGGTNTTACCTGAAAGGTGGGGGGCCAANTAAGNAGAGGTTTGAGGCTTTCAGG
AACCTTGCCTTGGGAAGNAAGAAGCCGTGGTTTNTTTNTTAAAAANGTCNTGGAGGGAA
AATTGGGTTT

Sequence 4142

ACTTTTTTTTTTTTTTTTTTTTTTCGNCACTACCTCCCCGGGTGCGGAGTGGGTAAATTT
GCGCNCCTGCTGCCTTCTTGATGTGGTAGCCGTTTCTNAGGCTCCCTCTCCGGAATCG
AACCTGATTCCCCGTACCCGTGGTTACAANGGTAGGCACGGCCGACTACCATCGAAAG
TTGATAGGGCAGACGTTCAATGGGTCGTCGCCGCCACCCCGCGT

Sequence 4143

GGCACAGTGGCTCATGCCTGTAATCCAACACTTGGGAGGCTGAGGCGGGTGGATCACCT
GAGGTCCGGAGTTCGAGACCAGCCTGACCAACATGGAGAAACCCTGTCTCTACTAAAAAT
ACAAAATTAGCTGGGCGTGGTGGTGCACACCTGTAATCCCAGCTACTCGGGAGGCTGAGG
CAGGAGAATCGCCTGAACCCGGGAGACAGAGGTTGTGGTGAGCCGAGATCGTGCCACTGC
ACTCCAGCACTCCAGCCTGGGCAATGACAGCGAAACTCTGTCTCAAAAATTATATACATA
TATATTTTTGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGA
GGCAGGCAGATCATGAGGTCAGGAGATGGAGACCCTCCTGGCTAACACGGTGAAACCCCG
TTTTCTACTAAAAATACAAAAATTAGCCAGGCGTGTGGCGGGCGCCTGTAGTCCCAGC
TACTGGGGGAGCTTGNGCAGGANAAATGGCCGTGAACCCAGGANGAGGGCGGAGCTTGC
AGTGAGCTGAAGAATCCGCGCCCACTTGCACTTCCAACCTTGGGGGGACACAGCCGAGAA
CTTNCGTTTTNAACCCAAAAAAGTTCCNTNNGGCCCGC
TTTTAAACTTAANTGGGATCCCCCGGGGCTTGGCAGGGAAATCCNANTNTTAAAGCT
TTNTTNGNANNCCCGCCCNACCTTTNAAGGGGGG

Sequence 4144

AATTGCANCTCCACCNCGGTGGCGGCCGTTTCNGCCAGGTTTCNGGGGAGAAGGAAGANGC
GGGGAGGGAAAGNCTGCAGCAAAAANAAAAANANTCCCGGACAGGCCGCTTGCTGCAGA
GGATCCAGTCCAGATCCCAGGAGAGCCCTCTGCCCTTCGGACCTCGTCTTCCCATCTA
CAAAACGTGAAGATTGGCCCAAGTTAGCCGTGTCTCTACAAAATAGGTGCATATACCACT
NGAAGCTGCCCTTGTGTTTGNNTGNTGGATTGAACCTTTTGTCTTCATGAAATCACC
GGGNTTNGGGAAAAGGCCTNCCTCCTTGTGTTTTTCTGCCTNAATAAAAAAAGCCCAT
CTTTGNGGCCCAANGCCGGTNGGGTGGGGCTCCACNACCCGTGNNAATTTCCCCAGC
CACCTTTTGGGGAAGNGCCCCCAANGGCCAANGCCGGGCAATCCACCCCTNGNANGGC
CCCAAGNGGANGTTTCAAAGAACCCCAAGCCCTNGAACCCCAACNNGTTGGGGGGGA
ANAACCCCTNGTTTNCCTCACTTAAACGAGANAAAAAGNCCCATATAAATNTNGAGAA
AANAAAAATTNTGGNTNCCCTATGGGNCCNNNTTNTANNAAACNNAAGGGGGGGGATCC
CCCC

Sequence 4145

TGAAATCCAAATCCNGGAAATTNCCNCCGGAGCTCCACNTTTGTGGCGGCCNTTNCCC
AGGTTNNAAGACCCCGAGAGGCACTCAGCGGGAGCCTNGTGGAANCNNACANCTCNTCA
TCGACTACATTCTCGACCTGCAGGTAGTCTGGCCGAGCCAGCCCTGGACCCCTGATG
GCCCCACCTTCCCATCCAGACAGCCGAGCTCGTCCGGAACCTGTCATCTCCAACGACA
AAAGGAGCTTTTGCCACTGACT

Sequence 4146

CCGGGCAGCTAATTTTTTGTGTTTTAAGTAGAGACGGGGTTTCACCATGTTGGCCAGGAT
GGTCTCACTCTCCTGACCTCGTGATCCACCCACCTCGGCCTCCCAAAGTGCTAGGATTAC

Table 2

AGGTGTGAGCCACCATGCGTGGTCCACACTTATTATTTTTACTTTAGTTAATAGTCTAAT
ATTTAAGGGTATATTGTTTTTAAATCCAATGCCTTTACTTTTTATTATTTTTTTTGA
GATGGGGTCTTACTCTGTCACTCCAGGCTGGGGTGTGGTGGCGCGATCTCGGCTCACTGCA
ACCTCAACCTCCTGGACTCAAGCGATCCTNCCACCTTCCTCCGAGTAGCTGGGATCACA
GGCATGTGCCATCACGCCTGGCTGATTTCTGTAAANGGGGTTTCGGNTGTNTTGGCCA
NGGCCCCGNCTTAAAAAATCCTTGCCCCCTCAAGCGAATCCTTCANGCCTNAAAGCCTT
TCCAAAAGATGGCTGGGGGATTACAAGGGNGTGGAGCCCNACTTATNCCTTTGGGCCAA
ANATCTNGAAANTTTTTAA

Sequence 4147

NATACCAGGCGTTTTCCCCCTGGAAGCTCCCTTCGTTGCCGCTCTTCCTGTTCCGGACCC
TGCCGNTTACCGGATACCCTGTC

Sequence 4148

CCGGGCAGGTACTTTAGGAGACCCATGCGGGCNGNTNGCNGAGGTCAGGANTNTNAAAC
CANCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCCCGAGATCGCGCCACTGCACTCCAGCATGGGGCCG
ACAGANCAAGGACTCCATCTTCAAAAATAATGGNACGCAAAGGNNTNCATGGGCANAAC
AACAAAGGCTTATTNTTTNGAACTNTNTCTTAATAGCNCGGANCATCNCAGANANGGC
CCTNNATTNCCNCCACCAATATTCTTTAAAAATTTTGGGCCCAAAGTTNCGGATTCCAA
ATTTAAAAAAGGGGAATTATTTTTAATTTTTGGCAATTTCAACCAAAAAAATTNANTTT
NCTTTTAACTTCCCCCCCCCAAAAAAATCCAAATTAAAAAAAGGTTTCAAAAATT
AAGGCAAANCTTTTTTCCCTTAAATNGNTGGTTTTAAAAANTTGGTAAATTCACCCANAA
ATNCCATTTTTNTTNCNCCCAANCTTTCTTT

Sequence 4149

CCGGGCAGGTACCAGGTGAACAAAGTTTACCAGAGNGCAGNGAGACAAGAAAAATAANA
GCTCNTGATGAGGGAAAAAGAAAAGATTGAGAGAATTTGTGCCCCCAACCATTTCCTCAG
ACTCTAAGAAAGAACACGCTCTCTCCAGGCAGGTCTGAAGCTCAACTCTCTATTGCCTC
ACTTCAGGTATACCTCACTTTTACACAATAGGAATTATACTGGAAAGAAGTTGGGGACA
CATGTTATTTGGTGATTACATTTCAAACACATTTAGGGAAAAGTTGCTATTTGAACTTTT
TTATTGGATTTTTGGGGGGGAGTTAAAGAAATTATTTTGGTGGATTGCAAATAAATATC
CTTTTAAATTGATCCGACCTTGCCCAAATTTTAGGATTTGTGTGCATTCAGGCTTTCTTT
TTTTCTTTTTTTTAAAGAAAAGTTCAAATATTAAAGCTTTTTCTTTTTCTTTGGGTT
CCTTTCTTTTCTTTTTATTTTGGGAATGGGAAGGNTCTTTTGCCTTCTTGTTCGCC
CCATGCCTGGGAAGTGGCANNTTGGGCCGCCGAATCCTCGGGCTTCAACTTGCNAAACCC
TTCCAACTTTTCCCTGGGGGTTTCAAANGCCGAATCCCCCTTTGCCCTTNAACCCCTC
CCCCAAAGGCAGGGTTTGGGGGAAGTTANCANGGCCGTTGGANGNCCCACCCATNGGCC
CGGGCCTTAAAN

Sequence 4150

CCCCCAACTGCAGGCAGAGAACCATGGTAGCAGGGTGGCAGGGCTGGCCCTGANCAGGAG
CTGGAGCAAGCGCATGCTGGANAAAACAGAAGGCAATGTGTCCAGAGAAGTGGTCCCCG
CGTACCTGCCCGGNGCAGGCCCGCTCTAGAAGTAGTNGGATCCCCGNGGCTTGCAGGGA
ATTCGATATTCAAGGCCTTATCGAATNCCCGTTCGACCCTCNNAGGGGGGGGGCCCCGGG
TACCCCANCTTTTTGTTTCCCTTTTTAAGTGGAAGGGGTTTTAAATTTGGCCGCCGCCT
TTNGGCCGTTAATTCATTGGGGTTCCATTAAANGCNTGGTGTNTNCCCTTGGTTGGTTG
GAAAAATTTGGTTTATTCCNCGNCTTCAACAAAATTTTC

Sequence 4151

CCGGGCAGGTNCGCGGGGCACTCAAGCAGAGAAGAAATNCACAAAGACTCACAGACTGNT
GGTGGGCATGAGAAGACAGAAACGACATGAGCACAGCAGGAAAAGTAATCAAATGCAAAG
CAGCTGTGCTATGGGAGGTAAAGAAACCCTTTTCATTGAGGATGTGGAGGTTGCACCTC

Table 2

CTAAGGCTTATGAAGTTCGCATTAAGATGGTGGCTGTAGGGAATCTTGTGCGACAAGATG
ACCACGTTGGTTAGTGGCAACCCCTGGTGACCCCCCTTCTGTGATTTTAAGGCCATGAAG
GGCAGCCGGGCATCGTGGGANAAGTGTGGGAGGAAGNGGGGTGACTTCCAGTTCAAAA
CCAAGGTTGATTAAAAGTCATCCCGGCTCTTACTCCTCAGTGGTNGGAAAAAATTGCCA
NGAGGTTTTGTTAAAAAACCCCGGAAGAAGCCAACCTACTGGCTTTGGAAAAAAATGG
ATCTTANGGCCAATCCCTTCGGGGGGGGAACCCCNCTGCAATNGGATTNGGCNCCCCAGG
GAANGGTTTCACCCCTTGGCAGNGGGGGGGGAAANNCCCCCATTTTCAACCCAATTTTCC
TTTTGGGGNCANCCCAAAGCAACCCCTTTTTTCCCCANGTNANCCNTTTTNGGCCGCG
TTNTTAAAAAACCTAANNTGGGGAATCCCCCCCCGGGGCCTTGCNNANGGAANTTTTCGG
ANTTNTCAAANGNCTTTNTTCCGATTACCCGGGTCNGAACCCCTTTTAANGGGGGGGGG
C

Sequence 4152

AGGTACGCGGGGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGCCATCTCGGC
TCACTGCAAGCTCTGCCTCCGGTGTCAAGCGATTCTCCTGCCTCAGCCTTCTAAGTAGC
TAGGATTACAGGCGCGCGTCACCACGCTTGGCTAATTTTTGTATTTTAGTAGAGCCGAG
GTTTACCAAGTTGGTCAAGATGGTCTCAAACCTTCTGACCTCGTGATCCGCCCGCCTCGG
CCTCCCAAAGTGCCGGGATTACAGGCCGTGAGCCACCGCGCCCGGCGCTCTANAAC TAG
TN

Sequence 4153

ACTCTNTTTNTTTTTTTTTTTTTTTTGGCTTATGGGACGGTCCAAANAGGCTTTGGA
ACAGGGCTCCTCGGGGTTTTCTTGCCAACTGTCTGAGCCCGGGAACAAGCACGGGCCCCC
TTCCTCCTCAGCTCCTGCCACACTCCATTTACCCCTCCGAGGCCNACNCCATTGNGGA
GTTATTGTTCTCANAATCTGCTATGGGGGCTCCCGCGT

Sequence 4154

GAGCTCCACCGCGGCGGCGGCCCGCCCGGGCAGGTNCTTTAGGAGACCCATGCCGNCNGA
TTGCCTGAGGTCAGGAGTTTGANACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACT
AAAAATACAAAATTAGCCGGGCATGGTGGCTCAGCCTGTAGTCCCAACTGCTTGGGAG
GTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCCGAGATCGC
GCCACTGCACCTCCAGTCATGGGCCGAACAGNGGCAAGACTCCATCTCAAAATAAAGGAA
TAGGAAAGNAAAACAAAGNAAAGGGAAAAGCCTTATTATTTGAACCTTCTTCTTAAACNA
AAGGAAACATTAAAGGANTTGCCTTGATGNACACCAAAATCTTAAATTTTGGCCAAG
GTTGGAATCCANATTTAAAGGGATTATTTTATTTTGCNATTCACCAAAAAAATTAAN
TTTCTTTTTANCTTCCCCCCCCCAAAANAATTCCAAATTTTANAAAAAGTTTCCAAAA
TTANGCCAAACCTTTTTTTNCCATAAATNGGTTGNTTTTTTAAAAAANTGGTTAAATTC
CACCCCAAAATTTCCATTGTTGTTCCCCCCCCAAACCTTTTCT

Sequence 4155

TGCGCGGTGGNTCAGCCTGTNATCCCGGCCTTGGGGGAGGANGAGGCGGNCAANAAAA
CAANGTCTNTANGTTTGAGACCATCTTGACCAACTTGGTGAAACCTCGGCTCTACTAAAA
ATACAAANATTAGCCAAGCCGTGGTGACGCGCGCCTGTAATCCTAGCTACTTAGAAGGCT
GAGGCAGGTAGAATCGCTTGAACACCGGANGCAGAGCTTGCAGTGAGCCCGAGATGGCAG
CCACTGCACTCTCAAGCCTGGAGTGACAGNAGCGAAGACTTCCCCCGCGTACCTNNGGNC
CGCTTCTAGAACTANGTGGGATCNCNCCCCGGGGCCTGCAAGGAAATTCGATAATTCA
ANGCTTTATTTCGATTACCCGTNNGACCCTNTGAAGGGGGGGGGGGCCCCGGGTACCCC
AAGGCCTTTTTNGNTTTNCCCT

Sequence 4156

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAATTAGCCGGGCAT
GGTGGCTCAGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA

Table 2

GAGCAAGACTCCATCTCAAAATAAAGAAAGAAAGAAACAAAGAAAAGAAAAGCTTATATT
GAACTTCTCTAAAAAAGAAAAAAGAAAGCCCGATGCACACAAATCTAAATTTGGCAA
GTCGATCAATTAAAGGATATTTATTTGCATCACAAAAATAATTCTTTACTTCCCCCAA
AATCAATAAAAAAGTTCAAATAGCAACCTTTTTTCCTTA

Sequence 4157

CCGGGCAGGTACCCTCAAAGGTAAACAAAATAAAATCTTATTAATAATTACATTTAAAAAC
AGTTTTAACAAATGAACAAAGGCCATGTTTAGTAGTACTATAGCCTAAACATACCTGCT
GTTTCAGGTGCTTGGTTGCAGAATCGCCATTTTTAGGGTCATTAAGTGCATCGTGTAAATG
CTGGATGGGACATAATATGATCTTTAAGTGTAGAATCAAGCCTTCACTTGCTTTTCTCA
ATTTCTTAATTAACTTTTCCAAGTCTCTTCAGATAGAGAAGAAATTGGAACATAATTGTT
CAGGTATTTCTGTTTCATCTCTTAAGCCTGCATTAATATCTTGAATATAGAAATCAGGTT
TTGGTTTCTCTCTTGAGTTACATTTTTTCAAATGCTTTGCTAGTTGATCTTCATATACTG
TGTGTTTTGGATCTAAAGGACACAGGATCTTTTCCGAGCATNTTCTTCTCCATGGCTC
CAGCGTGTTCAACACAAAATCTTTTCCCTGCGGCCACCACCATCCTGCAGAACCCGTTTT
CTTCTTTTCCACATAGTAACCCGCATCTACCCTCAGCTGGAA

Sequence 4158

CCGGGCAGGTACCTGTGGTCTCAGCTACTCGGGAGGCTGAAGTGGGGAGGATCGCTTGAG
CCCAGGTGGTTCGAGGCTGCAGTGAGCTGTGTTTATACCACCACACTCCAGCCTGGGCCGC
AGAGTGAGACTTTGTCCAAAAACAACAACAACAACAACAACAACAAAACTGTAG
CTTCCATTTTGGGTGTTCTCTATTGCTCTGTCTTGATCATTCACTCTGGGAGAAGCCAG
CTGCCAAAGGCATTCTTCAGCGAGGCCACATGAATGGTAACAGGCACATGAGTGAGCT
TGGAAGCTGATCCTTTCTAGTTGAGCCTTGATGACTGCAGCTGTGGCTGACACAGCAGT
AGCTTTTGAAGATTCTAAACCATAACTAACAGCTAAGTCTTCCAGATAACTGTCCTG
CAGAACTATGAGATAATAAATGTTCAATTGTT

Sequence 4159

ACGCGGGGAGACCGACTAGGACGAGACAAGAGGGACAGGGAGGCTTCGCGGAACCCCTACG
CCCACCCGACGCGTTCGCGCGTCCGTTTTTATTTTTATTTTTATTTTGGTTTTTTGTTG
TTGTTCTCTTCTTTTGTCTTTTTTCTTTAGAGACGGGGTCTAGCTATGTTGGCCAGGC
TGGTCTCGAGTCCCCGGGCTCAAGCGATCCTCCGCTCAGCCTCCGAAAAAGTGGGACT
ACAGGCGCGCATCGCCGACCCGGCCAATCCCTGTTTAAATCCTTTTCTTAAATTGCA
AAAGTGGTGTCTTTTCTGAGATGGACCCTCCCTGATACAGGAGGAGAAAAAGAGACA
GGACACAGGGAGGAGAGCACTGCACGCAGCTGAAGGCAGAGATTGGAATGACACCTCTGC
AAGCCAAGGAACACGGAGCATTGCTGGGAACCAACCGGAAGAAGCCAGAAGACAGGCCTGG
AGCTGGCTTTCCCTCACAGCCCCAAAAGGAACCCACCCTGGTGCCACCTTGATTTTCGGA
CTTTTGGCCTTCAGAACTGGGGAAGAGAATAAAATTTCTGTTGCTTTTAAA

Sequence 4160

TTTGAGAAGCCNGCGCTCACCCACCCGGGGTCTCTGTGCATTGACCTTTGGGTGCTGACT
TGGAGAAAAGCACAAACACGACCAGTCCCATCCTGGCTCCCGTGGGGCTTCTTCTATCTA
CGCATTGTATCGACTGCATTAGTTGGACTAAGATGATGACTCAGTTAAAGGAGGAGACAA
ATGCTGACTGTCTAAGCAAGAATGGCCCAAGCTGGCAAGAAAAAGCACACTGCATACATA
GGATCCCGCGTACCTTGCCCGGGCGGCGCTCTAAGAAGTAGTGGGATCCCCCGGGGCT
GCAGGAAATTTTCGATATCAAAGCCTTATTCGATACCGTCCGACCTCENAGGGGGGGGGCC
CCGGTACCCAGCNTTTTGGTTCCCTTTAGTGGAGGGGTTAATTGCGCGCCTTGGGCGGT
AATCATTGGTCATAGCTTGTTTTCTGTGTNGAAAATTGTTATC

Sequence 4161

GGGCGAATTGGACTCCACCGCGGTGGCGGGCGCCCGGGCAGGTACGCGGGGGAGCACCCA
AGCGTGACAAGCCCTCTCACAGTGAATGGAGCGCACGGTCTGAATCTGCACAGAGCAAG
ATGCTGAGTGGAGTCGGGGGCTTTGTGCTGGGCCTGCTCTTCTTGGGGCGGGGCTGTT
ATCTACTTCAGGAATCAGAAAGGACACTCTGGACTTCAGCCAACAGGATTCTGAGCTGA

Table 2

AGTGCAGATGACAATTTAAGGAAGAATCTTCTTCCCCAGCTTTGCAGGGATGGAAAAGCT
TCCCCGCTGGCTGTTATTCTCCACGAGAGAGGGCTTTCTCAGGGACCTAAGTTTGCTA
CTGGGTTTCAAGCAACCTGCAAGAAAATGTCCTCCCTTGTTGGCTTCCTCAGTTCCTGCCC
TTGGCCTGAAAGTTCCCAGCATTTGATGGCAGCGCCTCATCTTCAACTTTTGCTCCCC
TTTGCCCTAAAACCTTATGGCCTCCTGTGCATTCTGGTACCTTCGGCCCCGNTCTAGNA
ACTAGTNGGGATCCCCCGGGCTGCAGGGAAATTCGA

Sequence 4162

GCGAATTGGACTCCACCGCGGTGGCGGCCGGGGAAGGTCAGCGCCGTAATGGCGTTCTTG
GCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCTA
CGCCACCTCGAGTCGTGGTGCGTCCAGAGAGACAAATACCGATACTTTGCTTGTTTGATG
AGAGCCCGGTTTGAAGAACATAAGAATGAAAAGGATATGGCCGAAGGCCACCCAGCTGCT
GAAGGAGGCCCGAGGAAGAATTCTGGTACCTCGGCCCGCTCTA

Sequence 4163

CGCTTTACCCGGGATACCCTGTCCCGCCTTTCTCCCTTCGGGGNAAGCCGTGGGCGCTTT
NTCATAAGCTCACC GCCTGTAGNGTATNCTTCANNTTTCNGGTGTTAGGTCCGNTTCGC
TTCCCAANGCTGGGGGCTTGNGGTNGCACNGAAACCCCCCGNTTCAAGGCCCCGAACC
CGNCTTGCGCCTTTATTNCCGNTAANCCTAATTCGGGNTCNTTGAAGTTTCCCAACCC
CCGGGGTGNAAGNAACAACCGAACTTTTATTNGGCCNNNTTGGGGCCNNNGCAAAGCC
CAACNTGGGGGTNAACCAAGGGANTTTATGCCNCTAACCGGAANGGNTATTGTTTAANGG
CNGGGGTGGCCTAACAAAAGAAANNTTCTTTGGAAAANATGGGGGNGGGGCCCTTAAAC
CTNACCGNGGNNTNCCACTNAATAAAAGAAAACCANNTTATTTTTNGGGTTATNCTTGCN
GCNTCCTTGGCTTGNTAAANCCNNGNTTANTCCCTTTTNGGNAAAAA

Sequence 4164

ACNCGGGGCTTCCACCATGTGAGGACACAGCAAGAAGGGGCTGACTCTGAACCAGGAAG
CTGTGCTGTGCTCACCAGACACTTTGATCTTGGAATCTCAGCCTCCAGAACTATGGGGT
TCTGCTCTTGTCACCCAGACTGGAGTGAAAGTGGCACAATCTCGGCTCACTGCAACCTCCG
CCTCCCGGGTTCAAGGCGATTCCCCTGCCTCAGCCTCCAGAGTATGCTGGACTGCAGGCG
CCACGCCACCACTTCTGGCTAATTTNTTGTAATTTNTAAGTAAGAGACGGGGTTTT
CACCCATGGTTTGGTNCAAGGATGNTTCTTGATCTTCTCACCTTGGTGGATCNCGCCCA
CCTTNAACCTTCCCAAAGTGGCTTGAAGAAGACTAAAGACACCCNTTTTCTTAGACCAA
GAAAAAGGGAAGGCCCCGNATTGGGCNNAGAACATTTNCTTCAANAATAAGGGTTTTGGGT
AAGCCTAATTTGGAACCTNNGGGCTTGCCATTTCAAAAAAGGGAAGAATTGGAAAAAATT
CCCCCTTTANGAAAAATTTGGGACCAAGGCCTTTCCTAANTGGAAAAATTTTAACCAACT
TCAAAGGAAAAGGGGNCATTATAGGAAACCAACCTTGGCCTGGCCAAGCCTTTCAAGGA
AACCTTTTGGCCAAGGAAAAAAATNAAAAAATNGGTCAAACCAAGGCCNTGGGGGAAG
AAAA

Sequence 4165

TATCTCCACCGCGGTGGCGGCCCGAGGTACGCGGGATTCCCCAGACCTTCTGCAGATTCT
GTGGTTATACTCACTCCTCATCCCAAAGAATGAANTTTACCACTCTCCTCTTCTTGGCAG
CTGTAGCAGGGGCCCTGGTCTATGCTGAAGATGCCTCCTCTGACTCGACGGGTGCTGATC
CTGCCCAGGAAGCTGGGACCTCTAAGCCTAATGAAGAGATCTCAGGTCCAGCAGAACCAG
CTTACCCCCAGAGACAACCACAACAGCCAGGAGACTTCGGCCGGCAGCAGTTCAGGGG
GACAGCCCAAGGTCACCTCAAGCAGGGCAGGGAACCTAAACCCCTGAAAATTCATAGG
TGGAAGAAAAGTATCTTACTTAACCAGGAANCAAGCCCTTGCAANAAAGCCAGGGAAAAG
GGAAATGGCACCGGGAGGGCGTTGCCCAGGTTGGGAAAAACAAATTCATTNGAAAAATGG
GAAGTTGAATTTGCCACCAAAAAAATTACTGGAAAGAAAATTCAGTTCTNTTTAAAAA
ACCCATTGGGGGCATTGAAGAAAAGCTTGGAAAAAGAAATGGGGGAATCCATTTTGGGA
CCTTTAAAAAGGCCCTTNAAAATTACCCCTTTGNTNAGCCCCAANAGGCTTNTTAAAAA
AACCGGAAAANCCATNNCCNGTAATNATAATATACAAACNTTAAATGAAATTTGATNT

Table 2

TGGGTTACCCCTTGGCCCCGGGGGGCGGGCCCGNCTTNTTAAAAAAGTTANNGNGGGAATT
NCCCCCGGGCCTTGGCNGGGAATTTCCNAATTTTAAAAACCCCTTANTCGANTNCCC
GNTCCAACCCCTNTAAGGGGGGGGGGGCCCC

Sequence 4166

CTCCACCGCGGTGGCGGNCGAGGTNCATTTGCTTCTGACACAAGTGTGTTCACTAGCAAC
CTCAAACAGACACCATGGTTGCACCTGACTCC

Sequence 4167

TGGTAGCTCCACCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTNNGGNGGNTAAAAACNTGCCTTTTAGGGGTNNGGCCTAACANGGAGNGCTA
CCTTTCCCTATTAACCAGCGACATTTAATGAANTCATNTNTGGAGGGGTGGAGGTGAG
GAANCTGTTTNTTTTCCATGNGTCTAGGGCTACCCAACTNAGCTNTGCTTGTCTGCTC
CCTATGGCCAANAGCNCATTGAGNCTAAGGGGAGGGTTTTNACCCAGNTTGCTCAGCTT
NTGGAACCCCTANAAGGCCATNCCCAAACCCAGGGANAANAGTTCAGNNGGCCCAAGGCC
TGGAACACTGTGGGNGNANAAAAAAGTGGGNANNAAGNAGACNNGAAANCAGNAAAAAG
AAGGGNTGCTTGNATGTTTGCAACCTTTCCANTTTTGCCANNANCTTTGAAACCCCTT
CCAAGNCAANANCCCAAGGGGGNGTGCCACAAGCANTTNTNTTTNTAAGGAGGGGGGAA
GGCTTNCNATGGGCCTTTNTTTGGGGCCCCNNATTNGNGGNATTGGGGCCTGNCCCAN
ANNNCCCCCANTTNGGGGGCCCCCTTTNACCCAAAAACAAGNNATNTTCAANGGGGAANCC
CTNGNTTAGGGCCATTTCNCNAGTTTTCCCTTGGGAAAAGGNNGGCCTTTTTTAA

Sequence 4168

CGGCCGCCCGGGCAGGTACGCANGGGAGGCATTGAGGCAGCCAGCGCAGGGGCTTCTGCT
GAGGGGGCAGGCGGAGCTTGAGGAAACCGCAGATAAGTTTTTTCTCTTTGAAAGATAGA
GATTAATACAACACTTAAAAAATATAGTCAATAGGTTACTAAGATATTGCTTAGCGTTT
AAGTTTTTAACGTAATTTTAAATAGCTTAAGATTTAAGAGAAAATATGAAGACTTAGCAA
GNAGTAGCATGAGGGAAGGGAAAAGATAANAAGGGTTTCTAAAAACATGGACCGGGAGGT
TTGAGAATGAAAGCTTCTTCATGGGAGTAAAAAATGTATTTAAAAAGGAAAATTTGAGG
AGNAAAGGGACCTACCAGGAGCCCCGAATTTAAATACCCAATTAGAAAGGGCCAATGCT
TTTTTANNATTAATAATGAAAGGGNGGCTTAAACCAAGCCTTTAAAGGGTTTAGTNTTT
AAAAAGTTTTNGTTAAGGGTGGAATTTAAAAAATAAATTTTGGAAAAGGGCCGAATTC
CTTTTTTAAAAANAANGGANGAATTTNNAACCCCNAAAGGGGTGGANTTTAAAAAAGAA
CCCTTTGGGAAAATTCCCCTTGANCNNCNAGGGGGAGNGAATTTGGGCGNTCATTTTTA
AAAAAGCCCNNTAGTTTTAAACGGCNNTTTCCCTTAAACCGNCNGGACCGGAANATTC
NTTATATNAAAATATNTTTANTGGTTTCCCTTNGGGCCCCGGCTTNTTAGAAAANCT
TAAGGGGGGAATCCCC

Sequence 4169

TCACATTAATTGCCGTTGCCGCTTCACTGCCCGCTTTTCCAGTCGGGNAAACCTGTTTCGT
GCCAAGCTGCATTTAATGGAATCCGGCNCNAAACGCCCGCTGGGGAAGNAGGGCGNGTTT
TGCGTATTTGGGGCCGCTTCTTCCGCTTCTCGGCTCACTTGAACCTTCGCTTGCCTCG
GGTCCGTTTCCGGCCTTGCCGGGGCCG

Sequence 4170

GACGCCTGGGCGCATGCCCCACAGCCCCTAGTCAATGCTGTCCCTGTGCANAATGTATC
TGGGGAGACTGTTTCTGTACACACAGTTCCTGGACAGACTTTGGTCACCATGGCAACCGC
CACTGTACAGCCAACAATGGGCAAACGGNAACCATTCTGTGCAAGGTAAGGAAGGCAG
AGTTGGATATTGAGTTCCTTCTCTGTGGCATGTATTGAAAAGTTACCCGAGGTTTGGCTA
GAGTGACATAGGGGACAGNNGAGTGATGGGGAGAGAGGGTTTGGGANAGCAGAAATTTGA
AAACCTTTGCCCCGNAAGAACCTCTTAATTATNAACATNTTCTTCATGCCTTTTTTCTC
TGCACTTAGGTATTTGCCAATNAAAATGGAGGGG

Sequence 4171

GGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGATTTATCACATAGCCCCCTTAGCCAGT

Table 2

TGTATATTATTCTTGTGGTTTGTGACCCAATTAAGTCCTACTTTACATATGCTTTAAGAA
TCGATGGGGGATGCTTCATGTGAACGCGGGAGTCAGCCGCATCTTCTTTGCGTCGCCAG
CCGAGCCACATCGCTCAGACACCATGGGGAAGGTGAAGTTCGGAGTCAACGGATTGGTC
GTATTGGGCGCCTGGTCACCAGGGCTGCTTTAACTCTGGTAAAGTGGATATTGTTGCCA
TCAATGACCCCTTCATTGACCTCAACTACATGGTTTACATGTTCCAATATGATTCCCCCA
TGGCAATTCCATGGCACCCTCAAGGCTTGAGAACGGGAAGCTTGTATCAATGGAAAT
CCCATCACCATCTTCCAGGAGCGAGATCCCTCCAAAAT

Sequence 4172

CGGCCGCCCCGGGCAGGTACAGAGCATAGTGAAGCATGATGGGTGGTAGTATTAGGAGAAA
AACATCAGTCAAATTAATTTAGCAGAGTTTATTTGAGCAAAGAAGTGACTCATGAATCG
GACAACTCCCTAAACCAGGAGAGACACCACACGGCAGTATGGGCAAGCAGTATTCACAGG
CAGAAAAAGGAGGTGACATACAGAAACAGCCTGGCTGGCCACAGATCACAGCTTGCCCTTA
CTTGGTCACAGTCTGAGGAAC TAGCAGCCTGTGGTGGACTGAAAGCCCAGCTGCTCTGAT
TAGCCAACATTTGGCTACTTGTGCGCAAGAATCTATTATCTGGGCCGGGTGCAGTGGCTC
ACGCTGTAAATCCAGCACTTTGGGAGGCCAAGCGGTGGATCGCCTGAGGTCCGGA

Sequence 4173

TGGACTCCACCGCGGTGGCGGCCGCCCCGGGCAGGTNCTGGGTGCTTGGTAGTTAAGGAAG
TNTCAGCTGCTGGCTCAAGGGTAGATTCTAACAGGAACCTCCAAGCTGGAGAAATATCAG
GCTACACCGCAGAGAGGGGAGGAGGGTGAGGGAGGCGCCTGCTGGTGTGAGCCGTGACCT
GGCAGCAAACAGTGGTCTCTTACCGATGGAAAAGGGGCACAAAAGCATCACTCTTCTTAA
CTGCCCCCTTCTCATTACAGGAAATGCTGGGGATTGAAGTCCCTGGGGGTGGAGGAAAGAA
ACTGGGGTCTCTCAGCACCAGAGCCCAAGCATAAGGGGTACCCTTCGGCCCCGCTCTAGAA
ACCTTAGGTGGGATCCCCCGGGCTTGCAAGGGAATTTCCCATATCAAAGCCTTTATTC
GATTACCGGTCCGACCCTTCNAAGGGGGGGGGGCCCCCCGGGTACCCCAAACCTTTTTTG
TTT

Sequence 4174

TGCATAGACTAGTCAGCTTCTGGGGTGA CTAGAGCAGGGCTGTTGTCTCCACAAGCTTCA
GCCGTGCGCGGACTGGTCAGCTTCCGGAGTGACCAGAGCAGGGCTGTTGTATCTCACTG
GCACCTTGGTTCCATCGTAGGATCAGCTGGGTGTCATGGTCTAGGTCCTGTTGGCTGGTC
CACTTGTCTCTGGGCTGCTGGTTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCCT
GCAACATTTCTAGGCTTCCAGTGGGTCTGGCGTCTTAGCTGTGGATCTCCCAATACCTG
CAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAGCAGTGAAGAC
TACACCAGAAGCTCCGCTGCCGCCAGAGACAAAGGCCCGCCCCC

Sequence 4175

ACCTTTAATAATATTTTATTTAACCTCATATATCCAAAACATTATCCTTTAAGCATGTAA
TCAATATAAAAAATTATTAATGAGACATTTTACATCCTTTGTTTCACAGTAGGTCCTTGA
AATCTAGAGTGATTTTATACTCACAGCACATCTCAATGTAGACTAGCATATTTCAAGTG
CTCGGTGGCCATATGTGACTAGCAGCTACCATAGAGGGCCACAAAGATCTAGACCCCTAA
GAGTTACACATACATAACAACACCCCTTTAATAATCTCTTCCATGTTTCTATAATGATCCA
AAGAGGTAGTGCTCTACTCTCGTTTCTATGCTTACACACTTCTGGGATGAAATTACAGGG
ATACCATCCAATGAATGCCTGAAATTCCACCATGGTAGCTTACACTCAATTCTTTAAATA
TACTGTGCTTCAAGTTGTGTTTAAACAAAAATGCCCCAAAAGGGGGAATACTCTAAGCTA
ATATCTGTCTATCATTAAACCTTAGGTTACATGAAGGGAAGTACAGCACATCCAGGGGA
GAGCCAGTAGGGGCACAGAAAGACAAAAATCAGATGGCTGGACTTT

Sequence 4176

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
CCAGGAGGTGGAGGTTGACGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA

Table 2

GAGCAAGGACTCCATCTCAAAATAAAGTAAAGAAAGAAACAAAGAAAAGGAAAAGCTTAT
ATTGGAACCTTCTCAAAAAAGAAAAANAAAGAAAGCCTGATGCACACAAATCTTAAATT
TGGGCAAGTCGGATCAATTAAGGGATATTTATTTGCATCACAAAAATTAATTTCTTTTA
CTCCCCCAAAATCAATAAAAAAGTTCAAAATAGCAACTTTTTCCCTAATGTGTTTTAA
AATGGTAATCCACCCAAAATACATTGTGTCCCAACTTTCTTTCCAGTTATAATTCTATT
GTGTAAAAGTGAGGTATACCTTGAAAGTTGAGGCAATAAGAAGAGTTGAGCTTTCAAGAC
CTTGCCCTGGAAAAGGAGCCTTGTCTTTTCTTTAGAGTCTTGAAAGGAAAATTGGGTTTN
GGGGGGGCCCCAAAATCTTCTCAAATCCTTTTTCTTTTTT

Sequence 4177

GNTACTCCACCGCGGTGGCGGCCGCGGCGGCGAGGTACTTTTTTTTTTTTTTTTTTTT
GGGGGGGGGGCGGNANAGCAANAAAAANNNGGTNTATGCTGACGGCCAACATNATCCAAGAG
AGACAAGATGGGAAAGTTGCTGAGACAAGAAAGCCTAGGGAAACTTTAGGCTAGATACAA
AATTCACACAGGGAAAGGCACGGACTCTGGGGAGACTGGGAAGGTCTCAGCNCATTNAG
CACCATGTGGACCGAGCTCCGCCCCATGGNGCCCGTCACCCCGGACAGGNATTATGCCTT
NACAAAACGCTTTCATAGGTGTGGATTACAACCCATTGNTNGTCCTCATTGCCCCNTGCA
CACNCAGCATTCTACTACCTTCTTTCCTCTTGTCATTTTGCTCACCCCACTGGTGGACA
AAGAAACATGCCCGGGATTTTCAAGCCACCCCCATTGAACGGGNGCCCCATTTTCTTCC
CTTTGTCAAACANCCCCGGAAGTCCCTTNCGACATAAATCCTCANTAGGGNGGCCCTGG
GTCCTTTGGTTTCTTGGCCACTTGTCTTGCAAAGNCANTGGGGCCAANAAAAGGTNGCTT
CAAAAAGNTCCCAACAACCTTTTTACCATTTCATTCTTTCAATTAACCTTNNGGGG
CCCGNCTTCTTAGGAAACCTTAAGNTGGGNATNCCCCCGGGGGCCTTGGAAGGGAAAT
TTTCGTATTATTTCAAAAGCCTTTANTTCCGGATTNACCCCGGNCNNAACCTTCAGAAA
NGGGGGGGGGGCCCCC

Sequence 4178

ACCTCAGTTTTGTCCTCTTTAAATAAGGAAAATATACCTTGTAGGGTTACTGTGAGACT
TAAATGAATTACTAAATGTAAAAAAGCTTTATAAGATTCTTGGCACATGGTAACTGCCATA
CCTATTACCCATAACTAAGTATTTTTACACAATTTACTATAATATAACCACAATTCTT
ATTCAAACATCCTGGACCTAGCTAACAGTGACACGTGATGATTTCTGAATGAGTTTTGAG
AAGAACTGAGTCCCAAAGAGTGCAACTTTCTCCCACTGTCAGAAGGCCTACACACCACT
CTTCTCAGAGAGGTGGAAGAATTGAGCTGTGCTTTGGAAGTCTCGATTACATCAGGAACA
GATTGCTGATTGGTGACAGATAGCAAGTGTTAATAAGTGATGTTGGTGCTGAGACAAAGC
TGACATCTCTTCATTATGCTCCAATACAAGCATATCCCTTGTCCCAATGCCGATTG
GCTGCCTTCTATTTTAATTA

Sequence 4179

GCATTGNACTACANGAAGAGGCANGGANANNTCANGGATCAAAATTTAATTAAGAAAA
GCCAANTCATTAAAAATAGCCCCCTNATTGAAGAGTGGGAACCGTANGTGATGTTCTG
GCATAAGGAGTGAAAAAGAAAAAGCTCTATTACTTGAAGCTTTNACCAGGGGCATGAGA
GAATGGCCGGAAGTGAGAAACGTGTGTGTGGATGCTTACACCGATGCCGGCTCCTAATAT
TTGGAACATGGGNTCCAGAAANGGG

Sequence 4180

AGGTACTTTTAATTCTAGAAAAGAAACCCAGCTGCACACTGGCGCACNNGACCTTCATGC
ANANAAAANCTTTGGATGATTCCCCATCCAAAATATTAGAGATGAAATGAAAGCAAAGTA
GGCATCTGACAAAAGTTGCTTTTTCCCTTCTGCATTTTAGGACCTCAAGTAATGTTTATC
CAGAAACTGCTATCATACAGGGATTCAATTGTGATTTAACAACATAGGCATGCAATCTG
GCAAATTTGAAAAACTCTTAACATACACCCCAAATCCCTTGCCCAAATTTAAGAAACCTA
AGGGGTGGGACACAGGTGCGTTTTTCCAATGTGCGCATCTTTCTGTGGATGGGGGCTACGA
ATACCGTGGGGAGCAGAAGAAATGGGGGGAGGGGTGGGAGCCGCATGCCCAGATGAGGGA
TCCTATTCAAGCAAATGGGGACGGGGGCCCTTNCACCTTTAAGCCATCTTCACCCTGCTCC
TCTTCAGAGGACCCGCTTTCATTGCATTACGCTGTGGATGGTAGGCACCGAACACCAG

Table 2

GTNCAACCCGAGGGACCGAGGGAGAGCAGGAGCCTTGGTGCTCTCTTCTGCATCTTGAGGC
AGGGACCAGCACCAGGGGTACCTGGCCCCGGGCCGGGCCGCTTCTAGGAACCTAGTGGG
ATTCCCCCCCCGGGGCCTGCCANGGAATTTCCGATTATTCAAAGCTTTTATTTCGANTACC
CGGTCCGACCTTCGANGGGGGGGGGC

Sequence 4181

CCACCCGCGGTGGCGGCCGCCGGGCAGGTNCAGCTGAAGAACATTCAGCTCCAGCACGAG
AAGATNCAGAGCAACTTGGAAACCCCAAAGGGAGACACACCCCTTAACACTGCCGTGCTGT
GCTGTGCCCGTGTCTGAAGGAGGAGAGAGCCCTATCTCCTCCTGGTTTTGTTGCTGACA
TTGCAGCTGATCATGCCTTGACTCCTTCATCTCTAACAGAGGAAGAACTTGATTATCAA
ACCTTATGGNCTACCCAATGAATAAATAAATATTTGGTTCAAGGCGCATNTGGANANN
TGAAAAATNGNAANGGTTCCCTCGGGCCGCTCTAANAACCTNAGNGGGATTCCCCCGGGG
CTGCAGGGAAATTTCCGAATNTTCAAAGGCTTTAATCCGGATTACCCGTNGGACCN TTC
GGAGGGGGGGGGGGGCC

Sequence 4182

CCGGGCAGGTACACGGGGGAGGTTAATTTCTTTCTGTTTGAAGAGTGGATGTTGGT
AGACACTGGTCGTTTCTATTACGGCCTCCTGTAATTTTAGAAAACCGATATTTGTCATGA
CCTGAGGAAACATCTCATTATGGCTTTTATAAGACATAGTCAAATTCAGCATCAACTCT
CAGAAGATCTTTCTTGAGTCTAGAAGAAGAAATACAGAAAGGGGTTTATTGATGTTTCA
AAAAATCAAGTGTGTGGAATAGTGAAGAATGATGATGGTGTCTTCCCTGTCAAATAAG
TATCCATTTCAAGTTGTTTATGATGCTAACACACTTTACATTTTGCACCTANTCCACAA
AGCAGGGACCTGTGGGTGAAGAAGTTAAAGAAGAAATAAAGAACAACAATAATATTATG
ATTAATATCATCCTAAATCTGGACAGATGGAAGTTATCAGTGTGTAGACAAACTGAA
AAATTAGCACCCGGATGTGAAAAATACAATCTTTTTGAGAGCAGTATAAGAAAAGCACTA
CCTTCAGCCCCAGAAAACAAAGAAGCCGAANGCCTCCC

Sequence 4183

CCGGGCAGGTACCAGAAGCGGGACTTGGCGACGACATGATTAGGCGCAAAGATTCCGCATG
CGGTAGAGGGGGCGCGTGTGGCATTGTTGGGGTGGGCAGGCAGCGACCCCTTTCAGCAGGT
CCAGGAAACCAAAGGCTAGAGCGGCCCTTTCGCAAACGGTTCAGCTCCTTATAGAATGTCT
GTGTTTTTTCAGGTAGTTTCTTGCATTTCTTAAATCTTCTGTACCT

Sequence 4184

TTGGAGCTCCACCGCNGTGGCGGCCCGAGGAACNAGAAANNANNNATATTNTTNTTCT
ATTNTTAAGGGAATTTTANAGTATTTTAAATAANACAAGTTCCAATCAGGNGGGGTCNG
GNACATTTNAGTTCTTCACTGCCAAACCGGGGGCAGGGGACTGCTTCAGTTTCTCTGC
CTTCTCTTTGTCAGNGATGACCAGGGNGTAAAGGTATCTGCTGCATCNAACCTTAAACTT
CACGNGTCTTATTTTCTTGATCTNGNACANATTTGGCATCCTTTCGTCGGGCTGNGA
GCAGGAAAGTCTTGATTCTCTCAATTTCCGAGGCANTGGCANACNAGGCNCNCTTGG
GCTCTGGCCGGCGGGACCGAGGACCTTTCTACCCCCCGNNNTCACCCTTAGNAGNN
CCACTTCACAGGCANGCANGCCCCGNGGTACCTGCCCCGGGCGGCCNCNTCTAAACT
AGGGGGANCCCCCGGGCTGCAGGNAATTTGATANTCAAAGNCTTAATCNGNATNCCCG
NGNGACCCTGNGNGGGGGGGGGGCC

Sequence 4185

GCGGCCGCCCGGGCAGGTACGCGGGANAGTCTCGCTCTGTTGTGGACTGGAGGACTGTG
GCGCCATCTCGGCTCACTGCAACCTNTGACTCCCTGGTTCAAGCGGTTCTCCTGCTTCAG
CCTCCTGAGTGGCTGGGATTGCAGGCACACGCCACCACGCCAGCTAATTTTATATTTT
TAGTAGAGACGGGGTTTACCGTGTGGCTAGGATGGTCTCGGTCTCCTGACCTAGTGAT
CCGCCAGCCTCGGTCTCCCAAGGNGCTGGGATTACAGGCGTGAGCCACTGNGCCTGGCCT
AATGTCTTCTTTATTTTCTTTCTTTCTTNTCTTNTCTTTTTTTTTTAAACATANA
TGGAAGTCCCTGCTTCTGTNGCCAGGCTGGGAANTGCAAATGGGCACCGATCTTGAC
TTCATGCAACCTTNCCGCCTCCTTGGGAATCAAGNGGATTTTTTCCCTGCCTNNAGCC

Table 2

CTCCCCAAAGTTANCTTGGGGATTAACCAAGGGGGCCAC

Sequence 4186

CCGCNGTGGCGGCCGAGGTACGCGGGTGAGTCACGCTTCCTGATTCTCGGCGCAAAGGA
GACGNNTATCCTTTCAAATTCCTGCCTTCCCCCTCCCTTTTGGCAGACACACCAGGTTTAA
TAGATCCTGGCCTCAGGGTCTCCTTTCTTTCTCACTTCTGTCTTGAAGGAAGCATTCTA
AAATGTATNCCCTTTCCGTCCAACAACAGGAAACCTGACTGGGGCAGTGAAGGAAGGGAT
GGCATAGCGTTATGTGTAAAAACAAGTATCTGTTATGACAACCCGGGATCCGTTTGCAA
GTAAGTGAATCCATTGCGGACATTGTGAAAGGCTTAAATGAGTTTAGATGGGGAAATAA
GCCGTTGTTATCCGCCTTGGGTTTAAATTTATTTGAATGGAGTTCCACTTGTATCATTGG
CCCTACCCGAGGGAGAAGAAGGGAGTTTGGTTAACTGGGGCCCTATGTAAGTAAGCCC
TCATTTTAC

Sequence 4187

GNAGCTCCACCGCGGTGGCGGCCGAGGTACTTATGTGGCATTGGCGGAGGGACCAGGCT
GACCGTNTAGGNCAGTCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGA
GGAGCTTCAAGCCAACAAGGCCACACTGGTGTGGTCTCATAAGTGACTTCTACCCGGGAG
CCGTGACAGTGGCCTGGAAGGCAAGATAGCAGCCCCGTCAAGGCGGGAGTGGAGACCACC
ACACCTTCCAACAACAAAGCAACAACAAGTACCTGCCCGGGCGGCTCGCTCTAAGAACTA
AGTGGGGATCCCCCGGGCTTGAGGGAATTGATTATCAAACCTTTATTCGAATACCCGTT
CGACCTTCGGAGG

Sequence 4188

ACGCGGGGGTTCTGAAGCGGCGGCCAGAGAAGAGTCAAGGGCACGAGCATCGGCCATGCC
TTTCTTGGACATCCAGAAAAGGTTCCGGCCTTAACATAGATCGATGGTTGACAATCCAGAG
TGGTGAACAGCCCTACAAGATGGCTGGTCGATGCCATGCTTTTGAAAAAGAAATGGATAGA
ATGTGCACATGGAATCGGTTATACTCGGGCAGAGAAAGAGTGCAAGATAGAAATATGGATG
ATTTCCGTAGAGTGTGTTGCTTCGGCAGAAAAACGATGAGACGTTGCAGGTTACCCCTGCC
CGGGGCGGCCCGCTCTAGAACTAAGTGGGGATCCCCCGGGGCTGCAGGGAATTTCCGAT
TATCAAGCTTATC

Sequence 4189

CGCGGTGGCGGCCGANGTACAGTACAGGCTTNTCTGNTNTCTCCANGCAGTGTNGTAGT
NNAGGAAAAGGGCAANANNANTGNATCNTTNTTAGACACTAATCAGCTGGGGAAAGAGT
TCATTGGCAAAAGTGTCTCCCAAGAATGGTTACACCAAGCAGAGAGGACATGTCACTG
AATGGGGAAAGGGAACCCCGTATCCACAGTCACTGTAAGCATCCAGTAGGCAGGAAGAT
GGCTTTGGGCAGTGGGCTGGGATGAAAAGCANGATTTTGAGGATACCCAGCTCCCGGAAA
CCGAGGTCAATCTTTCTACAAGGGTTTCTCCCTTCACTTGGAGACAAATGGAAATCAA
GGGGTTGGATCATTTCTCTTGGAGGGGGCTTGAAGAAGGGTGCCTTTCCCTTCCGAATTT
TTCAACCTACCCAACAATTTAAGCTTTGGGCTTCTTCTTGTNCTNNAAGAAGGGGGTTAT
CTTTCTTAAANNAACTTAGGGGGGCTTTTGGGTTATTATTATTGGTGGGGNCCAAAAAAA
CGGAAATTTAAGTTTNAATTTAATGGGGCNTTTCCCGGGCTTTGGGCCTGGAATNGA
ACCGTTNCCCCCAACTTGACCAAGGAAGNAAAAAGGGGAAGGGGCTTGGGTTAAAGG
GAAACCTTGGGGG

Sequence 4190

TCATNAACTTCTTAGTGAATTNTGACAGGCAAGAAGATGACATTCACTTAGTGACATTAT
GTGTGACAGAATTAATGACCCGGGAAGAAAACGAAAACCACTTTCCAAGTAATATATGG
CATTGCTGTCAACCATTAAGACTGCAGAGATTTACAGAGCATCCTTTCAAGGATCGGGGT
CCCGGAGGGAGCAAGCTTCGTGCTGCGCCGAACCTTAGCAGGGAGGACCAATGGATNAAG
CATTTATGGATGCANGNAGACAGGAACAACCTTCGTTATANGGGACCCGTACCTGCACCGG
GCCGGCCCGCTCTAGAACTAGGTGGGATCCCCCGGGGCTGGCAGGGGAATTTCCGGAT
ATCAAGCTTTATCCGATACCGTNGACCTCCGAGGGGGGGGGCCCGGGTACCCCAAGCT
TTTTTGGNTCCCTTTTAAAGTGGAGGGGTTTAAATTTGCGCCGCTTGGCCGTAAATCAA

Table 2

TGGGTCAATAAGCCTGGTTTTCCCTTGTGGNGGAAAAATTGGTTATTNCCGCCTTACCA
ATTTTGCCNCACCAAANCATTACCCGANGCCCCGGGNAAGCCATTAAGGGGNNAAAA
GCCCCCTGG

Sequence 4191

ACCTGTCATTTGCCTTTGAGCATTGTCACCGTTCTAGTCAGAAGAACAAAAGGATGATTC
TGATCTATTTGCTTCCAGTAAAAATGCTATTGGGTCACATGCCCACTGTGGAGCTCCTGA
AAAAGTATCACCTGATGCAGTTTGCAGGAAGTAACCAGAGCTGTGAGCGAGGGCAACCTGC
TGCTGCTGCACGAGGCGCTGGCGAAGCAGAGGCCCTTCTTATTGCTGCGGAATCTTCC
TCATCCTGGAGAAGCTGAAGATCATCACCTACAGGAACCTCTTTAAGAAAGTGATTTGT
TACTGAAAACACACCAGCTGTCTCTGGATGCTTTTCTGGTTGCCTTGAAGTTCATGCAGG
TGGAGGACGTGGACATTGACGAAGTTCAGTGTATTCTGGCTAACTTGATATACATGGGAC
ACGTCAAAGGCTACATATCGCATCAGCATCAGAAGCTGGTGGTCAGCAAGCAGAACCCAT
TTCTCCCTGTCCACGGTGTGTTGAAAGTACCTGCCCCGGCNGCCGGCTCT

Sequence 4192

GCANCTCCACCGCGGTGGCGGCCGAGGTACAAGTAGCATAGAAAGACCAGTCCTTGCTGA
AAGACAAGTCNGAATGCTCCACTTTTTCAATTCTCTCTCCATTCTCANTAAGTCAACTT
CAATGTCGGATGGATGAAACCCAGACACATAGCAATTCAGGAAATTTGACTTTCCATTCT
CTGCTGGATGACGTGAGTAAACCTGAATCTTTGGAGTACGCCCTTCGTAAGGCGTCNCGGN
CCCCCGGGNGTCANANNCNTATCACCAAGGCTGNGGGCCCGCCTNTAAANAGCCGTAAN
CGGGAGTTTNTCTGGCTTGCTCTTGAAGAAAGCGTTGGGCTTGCCGCCCGGCTATGGAT
TGTTGGCAGNAAAAACAACAGCCGNATCAAACTTGGGTCTCAAAGNAGCCCGGGTTGAG
CAAAGGGGCCACTTCTTGGGTGCAAACCNAAAAGGCCACCCGGNTGCTTCNNGGGCTCCN
TTTTAAACTCAACCAAGGAAANGGCAAGCCCTTNCGGGGGGAAAGGCCCNAAANCCCC
CAAANGGTTTTA

Sequence 4193

CATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACTGCCACCATCTCCGT
TCCAGGAGTCTTCTGCTTGTCTTTCTGGTCTTCCTCACGGATCCTGAAGGGGGGTCTC
TGCAGAGCGACCACCCCATCTTCTGGGAGAGCTGGTTCAAGATTTTCTGCTGTGGACC
AGCTGTCTTCTTCTGAGGAGGCCCTCTCATTTTACTTCTCTGCATGTTGCTTCTAGT
TGGTTTTTGAAGTTCTCTTCTCTGCAGATTGCTGTCCACCGAGGTTGAGAACCCTGCT
TTCTGGGAACCTCATTAACCCCTGTTTTTTATTCCAACCAACAATCTCCTTCTTTCCCT
TCCAAGAACTCCTTAGTNGACCCGCGTTACCTGCCCCGGCGCCCGCTCTAGAACTA
GTGGGATCCCCCGGGCTGCAGGGAATTCGATATCAAGCTTATCCGATACCGTCCGACCTC
GAG

Sequence 4194

CCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCCTTCCTTTGCTCTTCCCGCT
GCTNCGCCCCTCTCTGTCTTCTCTGCAGTGGGAGCAGCTCTCCTGCCACAGCTCCTCACC
CCCTGAAATGTTGCGCTGCTCCAAGTTTGTCTCCACTCCCTCCTTGGTCAAGAGTACCT
CACAGCTGCTGAGCCGTCCGCTATCTGCAGTGGTGCTGAAACGACCGGAGATACTGACAG
ATGAGAGCCTCAGCAGCTTGGCAGTCTCATGTCCCCTTACCTCACTTGTCTCTAGCCGCA
GCTTCCAAACCAAGCGCCNTTTTTNNAGGGNACATTCGNCAACAGCANCCAAGNTTCATT
TGGGAAGCCTGGGGCTGCCACAANNTGGGGGTGGGCTGGNTCTGGGGCTGGGATTNGGAA
ACTGTGTTNTGGGAAGCCCTCATCAATTGGTNATGGCCAGGAACCCCTTNCCTTCTGAAAGC
ACAAGCTTCTTTTTCTAACGCCCATTTCTNNGGGCTTNTGCCCTCTCGGGAAGGGCCC
CATGGGG

Sequence 4195

ACCGCGGTGGCGGCCGCCGGCAGGTACGCGGGGGACTNTANGAGCTGCAGCNGAGCAGGT
ANCAGCTCTNGCACCTGTTTTCTNTTGCACCTGACGTGCAGCTGCTCCTACCCACCTCTC
CTGGCTGAGCCTTGCTGATACAGCAGCCCGGAGGCACCACTTGCTTCCCGAGTCTCACC

Table 2

CTCCCAGGCAGCTCCTACACTCAACNGCTTCTCTAGGAAAGGTCTCACCTNCAGCCTGGA
GCAGTCGGGATTTACAGAAAGCCCCNTCCTTGGCTTANGGGAGCCGCCATGAACGACTGA
AAATTGGTTGGTGAAGCTGACTTTCCTCCGGAAAAAGNAAATCCACTTCCCAAAGTGC
TGTTATGAANATCCCTGACACCCTAT

Sequence 4196

ATGGAATCCACCGCGGTGGCGGCCGCCCGGGCAGGTACCAGCAGCGCCCGGGCAGTTCCC
CCACCACTGNGATCTATGAGGATAACCAAAGACCCTCTGGGGTCCCTGATCGGTTCTCTG
GCTCCATCGACAGCTCCTCCAACCTCTGCCTCCCTCACCATCTCTGGACTGAAGACTGAGG
ACGAGGCTGACTACTACTGTCAGTCTTATGATAGCAGCAATCAGGGGGTGTTCGGCGGAG
GGACCAAGCTGACCGTCTAGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCGC
CCTCCTCTGAGGAGGCTTCAAGCCAACAAGGCCACACTGGTGTGTTCTCATAAANTGGCT
TCTACCCCGGGAGCCCGTGGACAAGNGGCCTGGAAGGCCANGATAGCANCCCCGTCAAGG
GCGGGTAGTGGANACCACCATCCCCCTTCAAACAAAGGCAACANCAAGTNCCTTCGGG
CCCGCTTCTAAGAACTAGTGGGATCCCCCGGGNCTTGNAAGGGAATTCGAATNATC
AAAGCTTNTTCGAATTCGCCGNGACCCCTTCGGAGGGGGGGGGGGCCCCCG

Sequence 4197

GGCGGCGGCCGCCCGGGCAGGTACGCTGGATAGCCTCCAGGCCAGAAAGAGAGAGTAGCG
CGAGCACAGCTAAGGCCACGGAGCGAGACATCTCGGCCGAATGCTGTCAGCTTCAGGAA
TCCCCGCGTACCTCATCCACAGGGCCTCCTGCCAGCCCCAGCCCCTGGAGAGGATGCAGA
AATGAAAGAACCAGAGCATTATAGCAGAACGAATCCTGGAATGGGAATGGAATGCCTGGA
TTNGTGGCACAGTNGGGAAGCCGTCCTGGCCA

Sequence 4198

ATGGTGAAACCCATATTCTATTAACACACACACACACACAAATCGGGCATGATTGG
CATGCACCTGTAATCCCAGCTACTTGGGAGGCTGAAGGTGGGAGGATGNGCTTGAGCCCA
GGAGGCAAGAGGCTGCAATAAGACATATTACGGCTACTGCACTCCAGGCTGGGCCGACAC
ANCGAGAACCCCTCCCCACCCCCCAAAAAAGGAAAGGAATTAATTTCCATAAAACGGG
GAAGGGGCAGCCGGGGCTTGGGGATCTTGCCACAGNTTCTTAAGTCAAGGCCGGCCTT
GAANTAAGGGGAGGCTTTTTANAGAGCTGGGAGCANACAAAAACCAACAGNTAAACGA
GGCAACACTATGCTACAAGGGGTAAAGCCCTTNCCTCANGGAGCTCAGGTGCTNCGAGCA
TTCCACAGCNCTCTTTTAAAGACCAAGCAGAAAANTACCCANGGGAGAAAAAGCACCGN
CCACAACGGNATAAAGGGCCCCGCTGAAATCNGGGGGGACCAAAAGCCAGACCNGCCC
GCTTCNTAGAACTAGTGGGATTCC

Sequence 4199

CGCCCGGNCAGGTACCAGNAGGCGTTGGCCAAGGGGAGATGNGACAGNCCANATAGCTCT
TCAGCCTNCNCTTGAAGTCAATGGTGGTGGTCATATCAATCATAGCATTTTCTGGACAA
ACCTCAGCCCTAACGGTGGTGGAGAACCCTAAGGGGAGTTGCTGGAAGCCATCAAACGTT
GACTTTGGTTCCTTTGACAAGTTTAAGGAGAAGCTGACGGCTGCATCTTGTGGGTGGTC
CCAAGGCTCANGTTGGGGGTTGGCTTGGGTTTCAATAAAGGGAACCGGGGGGACACCTTA
CAAAATTTGCTGCTTTGTCCCAAAATTCAGGGATNCCACCTGCCAAGGGAACCAACCAA
GGCCCTTTATCCCACTTGCTTGGGGGAATTGGATGTTGTGGGGGAAGCACCGCCTTACT
TACCTTCAGTTATTAATAAAATGTCAAGGCCCTGATTTATCTAAAAAGCCTATTTTGGG
GAAATGGTAATCAACTNNGGGAAGAAATGNTAACTTGAAAAAGATACATTGGGCTTGGCA
AAAAAGTAAACCCACGGATCCGTTATTGCCTGATCATTACCCCTTAATTGGATCCCA
GCCAANGATAATGGTCCCTGTCTTCTTAAAGATGTGNCATTNAAAGCCTTGGTTCCTT
CGGCCCGCTTCTANAACTAGTNGGATCCCCCCCCGGGGGCTGCAANGAAATTCGATA
TTCAAAGCCTTTATTCGNTTACCCNCTCNNAACCTTCNAAANGGGGGGGGGCCCCC

Sequence 4200

CCGGGCAGGTACCTTGTCTCAAAGAGCTTTATNAACTAGNACATTTTCGAAGAGCTCTA
TNNTGNNNCTCANCATGGCAGGTTTTTTACTGAAATCTCTTATCTGGAAGGATGGGCA

Table 2

GTAAAGAGACCCGGACCCTTCCCCGAGCCCACTGGTTGCTTGATTTCATATCACAGCTCG
CTTTGAGTAAGTGGTAACCACCAGAATAATAAGCAGATTGCTCCTCCAAACCCAGCTGGG
TGAAGATAGCTTCATTTTTGAAAAATCAACTGGAAATCATGAAAAACCCCTCCTAATGGT
ATAATTTGTTCCAAGAGTTCTTTTTGGTACTTAAGGAAGGGGAAATATTTAATCCTTGG
TGCCACAGGTCTTTTATTACAAGGCACTTCTTATTTTATGGGTATTACCAGGAGGTTTT
CTTCTTCCAAGCCCGGNNTTTNTTTNGGNGAGGGTTNAANTGGCTTNTACCCTTGCC
CGCTNTAAAAAACCTANGGGGGTCCCCGGGCCTGGNGGNGGAAATTCGGATTNTTCAA
AGGNTTTTTNNGAATACCCCGGTACCANCCNTTCGGNGGGGGGGG

Sequence 4201

CTATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCGGGCAGGTACAGGATGGCAT
AGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAGCCTGGCACCCAA
TATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACTTCTCCACCCCTCCCTATCTCA
CCTGCCAGCCCTGTGCTGGGGCCCTGCAATTGGAATGTTGGCCAGATTTCTGCAATAAA
CACTTGTTGGTTTGGCGCCGCTCTAGAACTA

Sequence 4202

GGTAGCTCCACCGCGGTGGCCGGGCTCGAGGTACGCGGGGGACCCGATNTAGGGAAAGNA
AGGGGTATTCATAAANTATNGATNGTAANNNAGNAACCATNGCCCTGGCNAGGAAAGGNA
AANTGGTTTTCTCTCCTGGCCGTAATGGTTAAAGAAGGGNAAAAATCAAGTTTTAAAA
AATNGCCTNGCTTAATCAAAAATGGTTCCGNACTTCAAGCCTTAAACCCCATNATGGTTC
CCCAGGGGTTTGGCCTTGCAAGAAAGTTTTNTCTTTTCAAAAATCTTGGAAGTNGTTTT
GGCCCTTGCCCTTGAAACTTCCGGGAAGGGGGGAAGTTTTTGGGAAGAAAAATTTT
TTAAGNACCAAGGCCAAGCCTTCTTGGTGGGTTTTCTTTTTTTTTTTTNGGCCCGCC
AAACCCCAAAATTAAGGAATTANAATTAGGCCAAGGAAATTTNAAGCCCAANAATCCC
TTTAAAAAAACCCCTTCTTAAAAAAGGAACCGNAATTTTTTTTTTGAAGGGCCATT
TCCCCCACCTTGGGGGAATTTAATTTTTNAAAATTTTTTTTTCTTTTTTTTTTG
GAACCGGTNGGTTGGTTTTTTTTTAAAGGTTTTTTAAGGAAAGGTTGGCCNTTGGTTA
ATTTTCCCCACCCAAANGGGGTTTTTTAAAAAGGNTTCAAAGGTTGGGAAGGGGTTTT
TGGGGGAAAAAGGAAATTAACCCCCCTTNAATTCCTTTTTNTTTTTNAAATTTTCCA
AAAAAAAAGGCCACCCAAAAATTCAAAATTTCTTTTTTTNGGTTTTTTT

Sequence 4203

CGAGGTACTTATTTTTNTTTNTTTTTTTTTTTNNGGGGGGGGAAGNNATCTANCTNTNTC
NCCNTTTTNGANTGCAGTGGCNCGATCTCTGATCACTGCAACCTCCGCCTCCGGGTTT
AANTGACTNTCCAGCCTCAGCTTCCAGAGTAGCTGAACTACAGGTGAGTGCCACCACNC
CCGGCTAATTTTGTGTATTTTTTAGTANNANACAGGGTTTCACAGTGTTAGCCAGG
ATGGTTCTCNACCTNCTGACCTCGTGATTCCNCCCCGTCTTCGGGCCCTCCCAAAAGTG
ATGGGATTAAGAGGCCGTNGAAGCCACCGCGCACGGCNGGGAAAAACGAGAATTTTTTA
AAAATCAACTTTACCATTGCCAATGCCCCATGGTATTCCTCCACAACAAAACTTCCAC
AAGNANTGGCTCAAAAAAGTCAAAACCTTTGTTTATCAGGGTGGATCTTTTANGGGACC
CCCAAAAGACTACTCTTTTTCTACCCTTTTTCCAAGTGNTTGCCCCANGGCCTGGGANA
TTTGCCACCTAANCCGTTATTTACAATGGTTTTCTGNCCAGGTCTTNTTAAGCCCCC
GGAANAGTTTTAAAAGCCTTTTTCCCTTACCCAACCTTNAATCCTTAACCCCGGAGGT
TNNAATGGAATTATGTTACCCCTTNGNCCCCGGGGGCCGGGGCCGCNTTCNTTNANA
AACCTTANGTGGGGANTCCC

Sequence 4204

CGCGATGCAGAAATACNAGAAAAGTGGAAAAGATTGGGGAAGGCACCTACGGAAGTTGTG
TTCAAGGCCANNTTCCGGGAGACTCATGAGATCGTGGCTCTGAAACGGGTGAGGCTGGAT
GACGATGATGAGGGTGTGCCGAGTTCGCCCTCCGGGAGATCTGCCTACTCAAGGAGCTG
AAGCACAAGAATCGTCAGGCTTCATGACGTCTGCACAGCNGACAAGAAGCTGACTTT
GGGTTTTTGAATCTGTGACCAGGGACCTGGAAGAAGTTATTTTTGACAGGTTGCAATG

Table 2

GGTGGACCTCGGATCCTTGAGAATTGGTAAAAGTCATTTCTTCTTCCAGCTACTAAAAA
GGGGCCTGGGAATTCCTGTCCATTAGCCCGCAAATGTGCTACACCAGGGG

Sequence 4205

CGAGGTACCAATCCTGAAATTTTTTACAGCAATCTTCACTGCAGAAATCTCTCACAACAC
CATCGAGTTCTTTAGTTGCTCCCTTCTTACATAGCTGAGAACAATAGTTGCAAGTAACAC
ATCTCAATCCTAAACGTCTGGCAAATCCTGTTTGTATAATAATTTGCAGCCTTCACTAC
AGAAAGGTCTCTTAACCGCCAGAGAAATTTACTGTTTCATGAAAGAGTCTTCTCCTCTTG
ACAGTATTTGCAATATGTAACATGCAACCTTCTTATAGTCATCCTGNAACAA
GTTTTGCTGCAGGAAACCTGGATGCACTTTGTCTCCATTCCAGGNATTTCTGGGTTT
TTGGAAACAAAAGGGAATTTTTTGCAGGTAGTTGCATTTTCAACTGGAATTATCACTTT
GGGCGCCTACCAAACCTGGGCCCATTTGGGAGGAATGGACCTGGCATTACCTTAAGAAGCC
CTGGAAAATTTAAGCCACACCAAACCTGGGGAAATTTGGCCAAAAGGTTGGTACCCTGG
CCCGGGGGCCGGGCCCGCTCTTAGAACCTAGTTGGGATCCCCCGGGGCTGGCAAGGGAA
ATTCGGATATTCAAAGCCTTATCGATTACCGGCCGACCTTCGAAGGGGGGGGGGCC

Sequence 4206

GGAGCCCTCGCGTCGCCGCTGCCGCCAAAAGACGGCGAGCGCTCAAACNAAACAGCCCAAG
CNCGCCATGACATTATGGTTGCTTGCAGGGTCTCCCCCGCGTTACCTGCCCGGGCGGGC
CCGCTCGAGCTCTAAGAACTAGTG

Sequence 4207

TGGTANCAAAGACAATCTCATGTGAGATAAGAAAGAAGAGCCCAAGACCAAGGATGTA
TTCTCAGTTTACAGACCACTGACCAGAGGCCACTCCAGGGTGTGAGGACTAANACAAGT
CACAAAACAGNAGATTTCCCAAGAGCAGCGGAAAATGATCCAGTCACAGATNTCATTNGA
GGATGTGGCTGTGGATTTACCGCTGGAGGANATGGCAGCTACTTAAATCCTACTCAGAA
AGAACTTGTACCCCTCGGCCGGCTCNTAGGAACNAAGTTGGGATCCCCCGGGCTGCAAG
GGAATTCGATATCAAAGCTTTATTCGATACCCGNCGGACCTTCGAGGGGGGGGCCCGGTA
CCCAAGCTTTTTGTTCCCTTTAAGANGGAGGGGGTTAAATTTGGCGCCGCCTTGCCGTT
AATTCATNGGGTCAATAGNCTGGTTTTCCCTGGTGGTGGAAAATTTGGTTTATCCCGC
TCCACAAATTTCCNCCACCANACCATTACCGAATCCCCGGNGGAGCCNATNAAAGTTG
TCAAAAGCCCCNTGGNGGGTNGCCCTTAAATGGAAGTNGAGGCTAANCTCCACAATTA
TTTGGCGTTTGCCGNCCTCACTTGCCCNCTTTTCCAANTNCGGGGAAAACCCCTGTTCG
GNGCCCANCTTGCCATTTAAATGGAATCCGGGCCCAACNCCCCCGNGGAGGAAGGNG
GGTTTTGGNGTNNTTTGGGGCCGCTTTTTTCCC

Sequence 4208

CCGGGCAGGTACGCGGGGCTTTCCTAGAGTCTCTGAAGCCACAGATCTCTTAAGAACTTT
CTGTCTNCAAACCGTGGCTGCTCGGATAAATCATGACAGAACAGTTAATCCTCAATTTAA
GCCTGATCTAACCCTAGAAACAGATATNGAACAAGTGGAAGTGACAACAAGATTGACAN
TGGAATGATGAAAATTCATCTGCGCAAGCTGCTTGGAATGTTTCNTTTCAGTCTCTCT
TCTATAANGNCCTAGTTGTATCATTGGGNANGNTANACAATTTGNAAAGNATNTTGGG
TTTGAAAACNAGANTCGCAAGCCTCGCTNNAGGGGGGATTGGTNANCCGTTCCNGGGCCCG
GCTTTNTTAAAAAACCTTAAGTNGGGTAATCCCCCCCCCGGGGCCNTGGCGAGGGGN
AAATTTTCTATTNATTNCAAANGCCTTTAATNCCGAAATTACCCCGGNCNNNGAACCCN
TTNNGNAAGGGGGGNGGGGNGCCCCNGGGTNACCCCCCANGCTTTTTTGGNGTTNCC
CCNTTTTAA

Sequence 4209

CCGGGCAGGTACAATCTGAGGGACCTGAATCGCTGCACCCCAAGAGGGATGGTCAGAACAT
CGAGTCCAGGAATACTTCGAGTGGGCAGCGCAGGTGGTGAAGGGGCTTCAGGGAACAAAC
CGGCAACTGGAAGAGGCTCTAAAGCATCTGTTCAAGCAGCGGGGGCTGACAATCTGATCA
GTGCTTGAAGCTATCCAGAGGCACAACCTCCAGCCTCGTTCAGGCCGGACAGGATTACATAC
CGCCATCTTTTCTGGTGTCTCCTGAAGCTCCCTCCATCCTTTCCCAAGAAATTTAGGA

Table 2

GGCCCCAAAAAAGACTTGGCANTTTTTTCTTCAAGTNCCTGGAAAGGTCCTTCCCTTG
CCTAACCTAAAAGNCNTGGAANCCCCCGCCGTTGGGTGGGGGAAATCCAANAATTGGT
TANCCCCCTCCGGGCCCCGNNTTCTTANGAAAACCTTAAGGTNGGGAATTNCCCCCCCCGG
GGGCTTGGCCAAAGGGGAAATTTNCGGAATTATTCAAAAGGCCTTTATTTTCGGAATT
ACCCCGTTCCGGAACCCCTTTCNGGAGGGGGGGGGGGGGCCCC

Sequence 4210

CGCGNGGCGGCCGCCCGGGCAGGTACGCGGGGGGAGAAGGAAGGAGGAAGAGCGGAGGC
CAGGGCGGGCTCTAGGCCCGTGAATCTGGGGCCTTAAAGCCCCCTTCGTCTCCCCAGCAC
CCACTCTCTGGGGGCAGGTGGGCCCGGTGACAAGTAACCTTCAGGGANCCCTGAAGACCA
TGGAGGACTACTGACCAAACAACCTCTGGACCTTACCCCTCTNGGATGGGGGACGAAAT
CACTAGGCCAAAGGGGAACAATGGGAAGGAAGACAAAAATGGGCTGCCTTTACAAGCTGC
AGNAAAGATTGTGGGAAAACACCTGGNTTCCCCTAGGGCACCTCCAATTTGTCTTTNCC
CNGCCCTTTTGGGGAAGCNNTTGA AAAAATTA AAANTAAAAGGTNGTTGAAAAGGGGGGA
AANCATTNGACCGNTCANNANAAAAAANNNTTATATGNTTTANNANANANAAANGNT
TACCCNTGGGGCCCCGTTTCTTAAAAAACCTAAGNGGGGGGAATNTCCCCCCCCGGGGC
CTTNTNATGNAAANTTCTANTATTTCAANANGGCTTTAATTCGNATTANCCCGGTNC
CNACCCCNNTTNAAGGGGGGGNGGG

Sequence 4211

CCGGGCAGGTACGCGGGGATATTANTGCATTTCTTTCAGAGGTTACCTCTTTTCTTGT
CTCTCGTCAGGTCTNTGACATTGACAGAGCCTGGACGTTGGAGGAAGCCCCANGACGTTG
GAGGGGTAAAGTAAATGTCCACAGTNCCTCGTTGAGAGAAAACAAGANGGTGGAAAGCN
NTGCACNCAAACTTGTGAAANAAAAGANAGGAGGAAAAGGACTCGACTTNTCATTGN
AACAACCCCTTTCTTNCAGTGCTAAAAGGGGATTCTCTTGATCTTGGGGGAAACCAAACA
CCCCTTGAACATTGGGTTCCCCANAGAATCAAATCTTGGNCCGGGGGGCCCCCAAAT
GGAGGCCCTTNANTTTTGATTAAACCACTTNATAGGGGGCCANNCTNGGGTTGGGGNTT

Sequence 4212

ACTCACTATAGGGCGANTCGGAACTGGCANCTCCACCGCGGTGGCGGCCGAGGTACTTAT
ATCTTTTGGTCTTGGGCTTCTCAAAGTTNACGACAGACATAGGCACTCTCACAGTATCAA
GCCCATTTACCGTCACCTCACACCAATACTCGCCCCACCGTGTGGTAGGCTCTGCTGGTA
ACTTTAATGTATGTGGGGCAACCACAACCAAGATTCTTAAAGAAGTGGCGGGCAACTA
TTTCAGGGTTCAGTCCCATTGACATTGTTCTTCATCCCTACCTCCAGGGCGACAGCTT
TTTAAGAAATTTCACTGTGCGCTCACCTGCCTTGGTCTTGGATCTTCTTAAATTTCC
TTCTTGGTCTCAAGCACCCCGCGGTNCCCTGCCCGGGCCGGCCGCTCTTAATAAACTAGG
TGGGATCCCCCCCCGGGGCTGCAAGGAAATTTCCGATTATCAAAGCCTTATCGATACCCG
TCGGACCCTCGAAGGGGGGGGGGCC

Sequence 4213

CCGGATTACCCCGGGCCGGACNCTTCTGGAGNGGGGGGGGGGGCCCCCGGGTGACCCCCAA
NCCTTTTTGGTTCCCNCTNNTAAGTTGAAGGGGGNTTANATTTTGGCAGCCGCTTTG
GGGCCGNTNANANTCCATTGGGGTTCAATTAANNCTCGGNNTNTCCCTGGGNGGNCGG
AAAAAATTGGCTNTANTCCCCGNCTTCCACCAAANTNTCCCAACCAATANCCAAT
TAACCGGAAGGCCCGGGGGGNAAGNCCAATTAANAAAAGGTTGGTTNAAAAAGGCC
CCTGGGGGGGGGGTNGGCCCTTNAAAATTGGGAAGGGTGGNAAGNCCTTAATAACCTT
TCAACCAATTTTAAAATTTGGGCCGNTTGGCCCGCCTTCAACCTTTGGGCCCCC
CCGGCCTTNTTCCCAAGGTTCCNGGGGGNAAAAAACCCCTTGGTTCGGNTGGCC
CAAGGCCTTGGGCAAATTTAAAATTGGGAAAATTCNGGGGGCCCCAAACCGGCCN

Sequence 4214

TCCCCGCGGTGGCGGCCGAGGTACTCCAGGATGGCCTCACGCTCATACAGGTAGCCATCT
GGGGTGACAACAGGATCGTGGCAAGGCTGCAGGGAGAGACAACAGCAGTCGAAGTCCTTC

Table 2

ACGGCATCCCGGCTCAGTCGAATGTTCTGGGTCCCATAGCCCGAGGCCGCTGTGTCCTTC
TTCTTCTCGTGGTAGGTGTAGACGGCCCCCTGCGGTGCAGTTCCTTGCCATGCCGCGTCATC
CTCACTAACGACTCCAGTCCCTCGGTGCTTCTTCAACTGTGCCCCGCGTACCTGCCCG
GGCGGCCCGAGGTACCTTTCTGATTTTTTTGTCTAAGCACATTTAAAAACCAAGACTT
TTGGTTTTGAGCGATAGCTCTGAATCTCCTTTAAGGTATGAAGTGTAGGAAATTGNTTT
CTGCAGCAAAAACCTTAGGCTTTTGAACATCAAGGTGTNGGATCACTGGGAAAAATTNTT
TTTAAAGTAACCACATTAGGCGAATCCAATAATAAGNCCAAAAAAAANGGTTGGGGAAAA
TTGAAAAAAAAGGGGTNGGGTTTTTTTTTNAATTTAAAAAAAANTTTTTTTTTTTT
TTAAAGANAANAAGGGTTTTTTCNGTTTCCANTCACCCAGGGATTGGGGANTNANCNTG
CCCGGGGCGGGCCNGTTTCAATNTGGGGCTTTCGTGNAAAGCTTNATNCAANCCATTAA
ANCCCCAAGTTTGCTTCNATTTGGGNCGNAAAAAANAANGGGTTTCNAGGGTTCTNTTCC
CAAGGGGGTTAAAGGGAGGGCNTTNAAGGGANTACCGTTTGGGNAAAGAANNNTTNGN
GGGGCNAAAAAGG

Sequence 4215

GCACCTTGGCCGCGTTCAGAGTGCCGATGAGCTCCCCCAGACTCTGCTTCGCCCCGTTCA
TCTTCCAGTTTTCCCCAACGAAGAACTTNCCTGGAGGGCAGCCATGGCNCCTGGAGCCGAG
GCGCTGAAGGTCAGTGTCTGCCCCGCGTACCTNN

Sequence 4216

CGAGGTACTTGCAATGGGGCCACCATGTTTTCTCCATTAGCCAGCCCCATTCATCATGG
ATGCTATGAGTCAGCCAGGGGGCAGGCTTGCCATGGGTTTTGTGACACCCCCATCCAAAG
CTCACCATGTTGCATCCCGCCCATTTGTCTGTGGGACCCCAAGTTTCTAGCCATGTCCAGT
TCTTCACAAAAGCTGGATGCACATGCCAAGGCAAGCCATCCACAGCTTGCTGCNTGGAAG
GGTGGTGCAGATCTAACAGTTGGAGACATTGGGGCCACCCTCAGCATAAGGGTGTGAAGC
CCCAAGTCCACAATGTTTGTGGGAAGCCATGCCAACCCCTGTGGGCNTGANGCAAAATAA
ACCTCCCCAAAGAATTTTNGGCNAGGAACAANTTACCCGGGCCCCCTTGGGGACCCCTTTG
GGAATTTTAATTTGGATGGGGCCCCAAACTTGGCAANCACTTGNCCAAAAAATGGCCTTG
TTCAACCAAAGGAAAGGGGGGCCANCCACCCCAACTTTC

Sequence 4217

GCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACACCCAGTGTCTTAGGCGGGCCAAG
CCTAGCACTGTGGGAGCAAAAAACATGGCTTCATCGTCAGGGTGCGCTATGACCAGCAGG
GTCCGGCTTTCCGGTCCCAGCCGTCTCCTGCTCCCGACTTTCATTCTGTTCTGAGGAG
TCCCAAACCCAGAGGAAGCCCATGCCAAGACCCGCCAACGCCACACAGGAGCCACAT
TGCTTCCATGATGGGTAAAGCCCCCGCGTACCTGCCCGGGCGGCGCTCTAAGAACTAA
GTGGNATCCCCGGGCTGCAGGGAATTTCCGATATCAAAGCTTTATCGATACCGTCAAC
CTTCGAAGGGGGGGGGGCCCGGTACCCAGGCTTTTGGTTTCCCCTTTTAGGTNGAGG
GGT

Sequence 4218

ACCTGTCTATAAGGAGTCCTGCTTATCACAATGAATGTTCTCCTGGGCAGCGTTGTGATC
TTTGCCACCTTCGTGACTTTATGCAATGCATCATGCTATTTTCATACCTAATGAGGGAGTT
CCAGGAGGTTCAACCAGGATGTTTCTACACCTGTGGGTATGACAAAGACAACTGCCAAA
GAATCTTCAAGAAGGAGGACTGCAAGTATATCGTGGTGGAGAAGAAGGACCCAAAAAAGA
CCTGTTCTGTCAAGTGAATGGGATAATCTAATGTGCTTCTAGTAGGGCACAGGGGCCCTC
CCAGGCCCAGGCCTCATTTCTCCTCTGGGCCTCTAATAGTCAATGAATTGNGTAAGCCAT
GCCCTATCAAGTAAAAAAGGATTTTTTGAAATGAAAAANANTNNNNAANAAAAAATTAG
GGTACCCTTNGGGCCCGCTTCTAANAACCTAGGNGGGAATCCCCCGGGCCTGGCAGG
GAAATTTTCGATATTCAAAGCTTTATNGGATACCCGNNGACCTNCGAGGGGGGGGGCCCC
GGTACCCCAAGCTTTTTGGTTTCCCTTTTAANGGGANGGGGTTAAATTGCCNCNCCTTG
GGCCGTNAATTCATTGGGGNCCATAAGCCTTGTTTTCCCTGNGGGNGAAAAATTGNTNTA
TTCCCGCTTCCANCAANTTTCCCCACCAACANTTACCGAAGCCCCGGGGNNNCATTNA

Table 2

AAAGTGGTAAAAAGCCCCNNG

Sequence 4219

ACCGCGGTGGCGGCCGAGGTACCGGAATCTTGCTAGGGGTAGGAGATACACCCCGGAGGA
GGGGATCCTTCGTGGCTTGCCGGGTGGTCATGATGGCTTACCGAGGCCCTCAGGGCCTA
CCCAGCTTCCTCCGCTTTTCTCCTGACCCTCTCGGGTGCTGCTGGAGCTACTTTCTCAGT
TTGTAAAATACNCCAAGCNCTTGATTNGCCCCCCCCGNCGTACCTGCCCGGGCCGGCAGC
NTCTANAAGTAGGTGGGATCCCCGGGCTTGCAAGGAA

Sequence 4220

ACTATAGGGCGAATTGGAATCCACCGCGGTGGCGGCCGCCCGGGCAGGTACCTGAAACGC
CCTCCTGAGTCTCCTCCAATTGTTGAGGAATGGAATAGCANAGCTGGTGGGAACCAAAGA
AACAGAGGCAATCGGTTGCAAGACAACAGACAGTTTACAGAGGCAGGGACAACAGATGGGGG
TGGCCAAGTGACAATCGATCCAATCAGTGGCATGGACGATCCTGGGGTAACAACCTACCCG
CAACACAGACAAGAACCCTTACTATCCCCAGCAATATGGACATTATGGTTTACAACCCAGC
GGCCTTCCTTACCGGTTTACTTACTGAATAGAAAAATGTTTGGCCAGCTTTTTAAGTAAAA
AAGCCATTTTACTCTTGTTTACCCAATTGNAGAAAAAGTTTGGGTGGTCTTCTGTTGGGT
TCANTAAGTTTTTACATCTGGATTTTTTACCAGNAATGGGGATTAATTTGGATTTTTT
TTTGGGAAANNNTTGAAGACTTTTTAAAAAATTTAGGAATCCTTTACCTTTNGC
NNAAAAATGCCGATTGGGGTTTGGCCTTGGGGGAAATTACCCCTGGGAAAACCTGGGTG
GGGAATTTATTATTTGGGCTTTTNGGAACCTTCTTAACCCCTTCAANAAAAATNCTTTCCT
TTTTGGTTTTTNCATNGAACCTTTAAATAGGGTNGGCTTTTTAAAGNNTTNGGGTNA
NTTATTTAATTTTGGGACCCTTTTTTANGGGAAATTTCTTTTTNGTTTTTANCNCCC
AGGNAAAAATAAAAAAT

Sequence 4221

CGCCCGGGCAGGTACGCGGGTGAGATTAACCAAGGAAGCAGAGAATGGTCANAGAATG
GGATTCAGATTGGGAACCTTGTTGGGGATGAGAGTGACCAGGTTGAACTGGGAAGTGAAAA
AGGAGTTTGAGTCACTGGCACCTANAAGCCTGCCACGATTCTAGGAAGGCTGGCAGAC
ACCCTGGAACCTTGGGGAGCTACTGGCAAACCTCTCCTGGATTGGGCCTTGATTTTTTTG
GGTGGGAAAGGCTGCCCTGGGGATCAACTTCTCTGTGTGGTGGCCTCAAGGGAGTTT
TTTCTGCCAGNAGAATGGCCGCCTATCTTTTCTCCCTCCCTGTTGATGTCCTTGCTTCC
CCAACCAATTTTGTACCCTCCGGGCCCCGCTTCTTAGAACTTAGNTNGGGATTCCCCC
CCGGGGCCTTGCCAAGGGAAATTTCCGATTATCAAAAGNCTTTAATTCGAATTANCCCC
GTNCGNACCCTTNGAAAGGGGGGGGG

Sequence 4222

ATATAGGCGAATTGGAATCCACCGCGGTGGCTGGATTTCTCAACTTTCTTGGTTTTCTGG
TAGCCAAATCCACCACCACCTNCTCGCTTTTCTGCTTGCTTCATTACCCCGGTACCT

Sequence 4223

CCGGGCAGGTACAGATGAGAACAGCTTACATGAACCTATGATGAAGAAAGCCACGGAAAT
CAATTCATCATGCCACCAGCAGAAAAATAATATGTCTGTTCTGATTCTGATAGGACAAA
TGTTGGGGACCAGATACCGGAAGCCCATCCTTCCACTGAAGCTCCAGAACGAGTGGGTTN
CAATCCAAGATCACAGCTTTTCCATCAGAAACCTCAGTGGGGGACGNGGGCAGATTCC
ACACCAGCTCACTTCCAGACTGATCTTTTGCACCCAGTTTCAAGTGATGTTCTACCTAA
GTTCTGACTGCTTAAGACAAAAGTCATTAGGATTATGTTCCAAGGGCATNNTTCCAAG
AAAAACAGTTNTACAAATCCAATTACCATNTCTTGGGACCACCAAGTNGAATAAAGCTGG
AGGTACCCTNCGGCCCGCTCTAAGAACTAGTGGGATCCCCCGGGGCTGCCAGGGAATTC
GATTATCAAAGCTTATCCGATACCGNCCGACCTTTGAGGGGGGGGGGGCCCCGGNNCCCCA
AGCTTTTGGTTCCCTTTTTANTG

Sequence 4224

TACATNAAAAAATCCAGGTTTGTGGAAGTCGCGTTCTTTACATNTGGGAGCGGGGCTNGT

Table 2

CCCAGCATCAGGCGCAGCAGCTGCACTTGTCCGACGCCCTTTGCAGATGCAGCCCTGGG
CACACTTGGCACAGCCACAGGGCAGCAGGAGCAGCAGCTTTTCTTGCAGGAGGTACCTG
CCCGGGCGGCCCGCTCTAAGAACTAGNGGNATCCCCGGGCCTGCAGGAAATTCGATAT
CAAAGCTTTATCCGATACCCGTCGGACCTTNGAGGGGGGGGGCCCCGGTGACCCANGCN
TTTTGTTTCCCTTTTAGTGGAAGGGGTTNAATNTGCCGCCGCTTGGGCGTAAATTCATG
GNTCATAAGCTGGTNTTCTGTTGGTGGAAAAATTGTTTATTCNCGCTTCACAAATTC
CAACAACAATNACCGAAGCCNCGGGGAGCCATTANAAAAAGTGTAAGGCGCTGGGGG
Sequence 4225

CGCNGTGGCGGCCGATGTACCAACAGATTTNTCACGGNGCTCCCAAACTGTGATGTNTG
GAAATCTCTGCCCTCANGGATCCCTGACCGTTTCTCTGGCTCAAAGTCTGGGACCACAG
CCTCCCTGACTATTTTCGGGCCTCCAAGCCTGAGGACGAGGCTGATTATTACTGTTCAACA
TGGGACTATAAGCCTCACTGGCTCNAAGTGTTCGGCGGAGGGACCAAGCTGACCGNCCTAG
GTCANGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTTGAGGGAGCTTC
AAGCCAAACAAAGGGCCACACCTGGGTGGTGGTCTCAATAAGGTGACTNTCTACCCCGG
GGAAGCCCGGTGACAAGTGGGCCCTTGGGAAAGGCAAGATTAGCCAGCCCCCGTCAAAG
GGCGGGGGAAGTGGNAAGACCACCCACCCCTTNTCAAAACAAAGCAANCAAAACAA
NGTTNCCCTTGGCCCGGGGGCCGGGCGCGTTCNTAANAACCTAGGTGGGATTCCCCCCC
GGGGCCTGGCAAAGGGAAAAATTNCCGATTATTCAAAAGCTTTANTNCGNATTACCCGGNG
CGGAACCTNCGGANGGGGGGGGGG

Sequence 4226

GCCCGANGNTACCCCTCATACCCAGCCTCAACTGNAGATGACTAAGGCNAGNCTGTGCAC
TANAAAGCCACATTCCTTGTNCAAGGACTGAGNGTNTNTACAAATCCCTCCAAATGG
GGGATTCCAAAGGGGCTTAAGCAAAAGAACATCTCTGTGGCAAAGTANGTGNGGCAAG
GAAGCTGAAGGACTTAAATCAAGGGAAGGGAAGATGCCAGNATGGGCANGTTTTTTAC
ATTTATGTNACAACAGGAAAACCGTGCCACATGGAGGTTTGCGCTGACTGCATNTTTTCTN
TTCACNTGGCCGGCAAGCCCTTGGGNCATTTGNGGGNGTTTGGGTGGACTTCTTGGATGG
GGCCAGTTTGGGGGCCAAGCCTTNTTTTCCACCGAATGGGGCCTTTTGGCGGNTTTC
CTTTGGGGAGGGAAAACCATTTTGTGGAAGCCGGAATCCTTCCGGGCCNACCAAGTTN
NAGGAATNTTTGGTGTGGGCAACCAATNCAAGGCAANGCNACCTTTTCCCAAGCCTNCCC
TTTNGNANCCGNTTTGGNTGGGGACCCCAAGGGGAAACCTTTNCCCGGAAAANGCCCCA
CCTTGGGGGGCAAGCCATTGTTGGCCTTTTAGNTGTTTTNTTTTGGTTNGGCCTTTTCC
CAATTAACCCCAAATTGGGTGTGGGGGCCANTCAAAGAATTCTTGGGCCCC

Sequence 4227

GAGGTACACCTTTTCAGGGNCGTTAAANACCACCTGNNNNGACTNGATCTTCTTGAACAT
CANCATGATGGAAGTGAAGTTGGTTTTAAGAGTTAGAAATGACGGTGGAAGAAAAAAGC
TCCAAATCGAGGAAACCCCTTTGCAAAAAATTATTTCACTTTAAGGAATTAAGGTATTCT
TAAGCAGTTTGAGCTTAAAAATAAAATAAGATTTAAACANAATGAATATTAAGTACTAGG
TTTTAGAAAAGGCGCCTTAAAAAATATACGCCCGCTGGGTNACACTAAGGCGANATTN
CAGAGNAAAAAGCCTTCTTTTTCCCCAATTGCTGGAGGAAAAAGATCCCGATCCTCCAC
AAGGCACTCNCCTTTTGGGAAGAAAAAGAGGGGGGTTAAGTTTTTCCCCGCGNTTCCCCT
GCCCCGGGGCGGCCCGCTCTTAGAACTTAGGTGGGGATCCCCCCCCGGGGCCTGGCCAGG
GGAATTTCCGGATTATTCAAAGGCCTTTATCCGAATACCCCGNGCCGACCTNCGAGG
GGGGGGGGGGCCCCCGGGTGACCCCAAGGCTTTTTTTGGTTGCCCTTTTTNAGNTGG
ANGGGGGTTTTA

Sequence 4228

CCNAAAAACAAAGAACTTGCTTGTGTGGTAATCCAGCTCCATTCTTCTGCATAATTACA
CAGGTCACGATGTATTTAAATGGTTTTCCAGCTTGGTGGAGTTGGCTTTAAAGTTTGTT
CTACTACATTTGTGGTCCACTGGTTCACCTTGTGTGTGATAANGCGTTACCACCAATT
GCGCTTTCTATANCNCTCTTTTACANATGGTTGCTCACTTNATCAACAAACAAAGCAG

Table 2

TCTCCTCCCGCAGCCTGGGNTAGTCTTCCATCTTCTCCTCCGGGCGCCCNCGCGTACCTGC
CCGGGCGGGNCGGTTCTTAGAACTAGTGGGATCCCCCGGGGGCTGNAAGGGAAATT
CCNAATANTTCAAAGCCTTTTTCGGATTACCCGGTTNCNNAACCCTTTNGANGGGGGGGG
G

Sequence 4229

GCCGCGCGGGCAGGTTNTCCAGNNTTGGTTATNGTCATGGGAAAGGAAGGTGTCCACANA
ANGCACACTTAACANGAAAGCATATGAACTCGCTTTATACCTGAGGAGGTCTGATGNGTA
AGCAGCCTCTCCCCATCTACCTAGCANCTGTCTTCATCAACAACCCTAATTATGGNCACA
ATGCTACCAAACCTGTAGATGGTAGCTAATTTTTCTTTACCTATTTTCTAATGTCATGATT
CCTGTTTGCCCAATGGATCATTTGTATGTTAACCCTGNNTGNAACCAACCCTTATCTGG
GCAACATAAATTGGCAGCACCAATAATGATTNTGCATGAATACCTNTGGAAATTGGGGGG
NAGGGGGCATGCCAAGTTGGGGCATCACTTTGTCTTANCAATTAATGGGGATATTGANTT
ACCTAAAAATAAGTTAATANGTAAGCAAGGGNGCCCGGGGTGGGACNCTAGGGCCCCGNTC
CTAGNAACTAGGTGGGATCCCCNNGGCGCTGGCAGGGAAATTNCCGANAAATNCAAAGGCC
TTTATCCGANACCCGNCCGACCCTCCGAGGGGGGGGGGGCCC

Sequence 4230

NCCGGGAGCCATAANAGTGTAAAAGCCTGGGGGTGCCCTAATGAGTGAAGCNTNACCTNA
CATTAAATTGGCGTTTGCGGCTCACTTGCCCGCTTTTCCAGTTCGGGGGAAACCTGNNTCN
NTGCCAAGCTGGCGATTAAATGGAAATTCGGCCAAACCGCNGCCGGGGGGGTAAAGAAG
GCCCGGGTTNTGCCGTTATTTTGGGGGGCCGCTNCCTTTCCCGGCNNTTNCTTCCGG
CTNCAACCTTGGACCTTCTNCTTGGCAGCCTCCNGTTTCCNNTTTTCCGGGTCTTGGCCA
NGGCNGAAGCCCGGNNTTATTTCAANTCTTTCNACTTCCAAAAAGGGGCCGGGTNNNAAT
AACC CGGT TANTCCCCACCAAGNNANATCNAANGGGGGGAAT

Sequence 4231

ATGGAGACCTATTAATGGAAAAACCCTANAAAAGATCACCAACAACCGNCCTCCCTGCGT
CATCCTGTGACTGCACAGGACTCTGGGTTCTGCTCTGTTCTGGGGTCCAAACCTTGGTC
TCCCTTTGGTCCTGCTGGGAAGCTCCCCCTGCCTCTTTCCCTNACTTANCTCCTTTAGC
AAAAGGAGGACCCTTGGCCTNCACTTTGCCCTTTGGGGTACCCTCGGGCCCGCTCTTAGG
AACTAGGTGGGATCCCCCGGGCCTGCCAGGNAAATTNCGGATTATCCAAAGCTTTTATC
CGGAATACNCGGTGCGGACCCTTCGGAAGGGGGGGGGGNCNCCGGTTAACCCCCAAGCT
NTTGTTGTTTNCCTTTTNGATGGAAGGGTTTANATTTGTGCGCGCTTTGNGCNGTTA
ATTCAATGGGGTCAATTAAGCTTGCTTANCCCTGGTNGNNGAAAAATTGGTTNAATCCCC
GCTTCAACAAATNTTCCACACCANCCATNACCNNAANCCCCGGGNANGCCATTAAAAAG
NTGGTTNAAAAGCCCTGGGGGGTGG

Sequence 4232

GCNGTGGCGGCCCGCCGGGCAGGTACTTANTNTTTTTNTTTTTTTTTTNNGGAAACAGG
GTCTTGCTATATTGCCAAAATGGCCTCAAACCTCTGGGCTCAAGCGATCCTCCTCCAGC
CTCCCGAGTAGCTATAGTTTGGTTTAAATCAGTAAATATTTATTTAGCACTTGGACTGCT
CTAGGCACTATAGGGTACCT

Sequence 4233

AGGTACNCGGGGGGGGTCTCAGGAGGCAGCGCTCTCAGGACGTCACCACCATGGCCTGGG
CTCTGCTCCTCCTCACCTCCTCACTCAGGGCACAGGGTCTGGGCCCATGGGGCCCTGA
CTCAGCCTCCCTCCGCGTCCGGGTCTCCTGGACAGTCAAGTCACCATCTCCTGCATTGGG
AACCTTCAATGACATTGGTAGTTATGATTATGTTTCTGGTACCTGCCCCGGGGCGGGCCC
GCNTCTAAGAACTAAGNNGGGGATCCCCCGGGCTTGCAAGGGAATTCGATATCAAAGC
TTTAATCCGATACCCGTGNGACCCTCGAGGGGGGGGGCCCCGGGTNCCCCAANNCTTTTT
GNTCCCCCTTTAAGTTGGAAGGGGTTTAAATTTGGCCGCCCTTTGGGCCGGTAAATGCAA
TGGGGTCCATAAGCCTGGNNTTCCCTGGTGGTGGAAAAANTTGGNTNATTCCCCTTCA
ACCAAATTNGCCCAACAAACCATNACCGAAGCCCCGGGGGAAGCCAATAAAAAGGTT

Table 2

GGTAAAAAGCCCTTGGGGGGNTGGCCCTTAAATGGAAGGTGGAAGGCCTTAAACTTCAAC
CAATTTTAAATTTGGCCGGTGGCCGCCCTTCACTTGGGCCCCCGCTTTTTCCCAGGTTN
NGGGGGAAAAACCCTTGNCCGNGGCCAAGCTTGGCATTTTAAATGGAAATTCGGGGCC
CAAACCGCCCGCTGGGGGAANANGGCCGGGTTTTGGCNGTTATTTGGGGGGCCGCT

Sequence 4234

GGANCTCCACCGCGGTGGCGGCCGAGGTACGCGGGGAGGAACTGCTCAGTTAGGACCCAN
ACGGAACCATGGAAGCCCCAGCGCAGCTTCTCTCCTCCTGCTACTCTGGCTCCAGATA
CCACTGGAGAAATAGTGATGACGCAGTCTCCAGCCACCCTGTCTGTCTCCAGGGGAGA
GAGCCACCCTCTCCTGCAGGGCCAGTCAGAGTGTTAGCACCAAGTTAGCCTGGTACCTGC
CCG

Sequence 4235

TTGNACTCCACCGCGGTGGCGGCCGAGGTACACCGACTACGGCGGACTAATCTTCAACTC
CTACATACTTCCCCATTATTCTAGAACAGGCGACCTGCGACTCCTTGACGTTGACAA
TCGAGTAGTACCTGCCCG

Sequence 4236

CGAGGTACGCGGGGATTCTTGTCTGTTCTGCCTCACTCCCGAGCTCTACTGACTCCCAAC
AGAGCGCCCAAGAAGAAAATGGCCATAAGTGGAGTCCCTGTGCTAGGATTTTTCATCATA
GCTGTGCTGATGAGCGCTCAGGAATCATGGGCTATCAAAGAAGAACGTGTGATCATCCAG
GCCGAGTTCTATCTGAATCCTGACCAATCAGGCGAGTTTATGTTTGACTTTGATGGTGAT
GAGATTTTCCATGTGGATATGGCAAAGAAAGGAGACGGTCTTGCCGGCTTTGGAANAATT
TTGGGACGATTTTGCCACGCTTTGGAAGGCTCAAAGGGTGCCATTNGGCCCAACATAG
GCTTGTGGGACNAAAGGCCAACCTGGGAAATTCANTGGACCAAAAGGCCGCTCCCAAAC
NTATTACCTCCCGATCACCAATGGTACCTTGCCCCGGGCGGCCGCTCTAAGAACTA
GTTGGGATCCCCCGGGGCTGCCAGGGNAATTTCTAATTATTCAAAGCCTTTATTNCG
ATTACCGGTCNGACCTTCNGAANGGGGGGGGGCCCCGTTACCCCAACCTTTTTTG
TTCCCCCTTTAAGTGAAGGGG

Sequence 4237

GGGGCTCATGGTTTCCCTCTNCTTTGGGCAGAGGGCACATTATTGCAGAGGTAATGCTGT
GGCATATATGCTTGCCTCAGGGTATCACGTGGAGTTCACAGGACCCTGCCACCTGAG
TTCCCAATAAANAACCTCCCTTTCTGAGGCTGCTTTCCCAAACTCCCCCTGCATC
TTTTATCTCTTCATCTATCCACNCTCTTTGTCTTGAACATCCCAACNCTTTATCCTCGT
GTGTCNNGCCTTTGTTTTAAATTTTANACCTTCATGGTTTCAATTGCCTGGCAAACAA
GGAAAGNCATTTTCTTCTTAGNGTTCNCCCAAGTTTTTTCCANNTTTGNANTTNGCNAT
TATTCCTTTGGATTCAAGGCCNCTTTTTTTACACCAATTCTCCTGGGCCCCNTAATG
GGGGTNTCCTCCTAAGNCCACCCNTGGT

Sequence 4238

AGGTACGCGGGGAAATGGCCGCGTCCAGTCAAGGAACTTTGAGGGAAATTTGAGTCA
CTGGACCTTGCGGAATTTGCTAAGAAGCAGCCATGGTGGCGTAAGCTGTTGCGGCAGGAA
TCTGGACCTTCAGCAGAAAAGTATAGCGTGGCAACCCAGCTGTTCAATTGGAGGTGTCACT
GGATGGTGCACAGGTTTCATATCCAGAAGGTTGGAAAGTTGGCTGCAACAGCTGTGGGA
GGTGGATTTTCTCCTTCAGCTTGCAAACCATTAAGGTACCTTGCCCCGGGCGGCC
CGCTCTAGNAACTAGTGGGATCCCCCGGGCTTGCAAGGAATCCGATATCAAAGCTTAT
CGATACCCGTTGACCTCTGAGGGGGGGGGGCGGTTNCCCAAGCNTTTTGTTCCTCC
TTTAGTTGGAGGGTTAATTGCCGCCGCTTTGGCCGTTAATCANGGGTCAATAGC

Sequence 4239

CCGGGCAGGTACNGCGGGGAGGCTGGCCGGCGGCGCTGGGAGGTGGAGTCGTTGCTGTTG
CTGTTTGTGAGCCTGTGGCGCGGCTTCTGTGGGCCGGAACCTTAAAGATAGCCGCAATGG
CTGAAAATGGTGATAATGAAAAGATGGCTGCCCTGGAGGCCAAAATCTGTCATCAAATTG
AGTATTATTTGGCGACTTCAATTTGCCACGGGACAAGTTTCTAAAGGAACAGATAAAAC

Table 2

TGGATGAAGGCTGGGTCTCGGCCGCTCTAGAACTAGTGGGATCCCCGGGCTGCAGGGA
ATTCGATATTCAAGCTTATCG

Sequence 4240

CCGCNGTTGGCGGCACGACGNACNCGGGTNNTTTGTAGCGGACAACATGGCGGCCTTCA
TGCTGGGCTCGCTGCTGTGGACNTTCAAGCAGGTCAGGCCTCTACTTTTATCCACACCGC
TACCCCTCACCGCTGAATNTNATAACCCACGGGTCCCCACGGCTCTGCCACCTGTAGTG
CTCGATGGTTCTTTCATCAGCTNCAGGCCAAGATTGGAAGTCACTATGTAGACTGGAGAA
TGTGGCCGCGATGTGAAGAGACNACAAAATGGCCTATGGAATACACAAGATTGAAGCAGG
CTACGNTTTAATTTCACTTCAGGGAAGGAAAATACCATTTTTGCCANAAAAATTNCTTT
NAGGGTTAGCCTAATTTAAGGATGGAGGCCCTTTGNTACCTTGCCCCGGGCCGGGNCC
GCTCTTAGGAAACNTAGTTGGGATTTCCCCCCCCG

Sequence 4241

CCCCACCCCGGCCGGGTTGGGGCCGGGGCCCCGCCCCCGGGGGCCAAGNGGTTACCGC
CCNNGGGGGGGGAAACCAAAAGCCGGTTCCGCCGGTTTTCTTTGGAAAGGGAANAAA
AAACCTTNTTTTGGGGGTTGGAAGNAAAATTTCCCCCAAGGAAAGTTGGGAATTAAT
TGGGGCTTTAACCTTAACCAAAAGCCCCCTTGGGGCCGAAAACCGGAAANAANNAATTT
ACCCNCCCCCTTCTTNGGAAAAAGNACAATTTTGGAAAACCGNGGGGGAAAAATTT
CGGGGCCGCCCCANTTTNCTTTTTTAANAAAAATTGGCCAAGGGGTTACCCCTTTCCG
GGGCCCGCCTTTCTTTAGAAAAACCTTAAGGTTGGGGGAAATTNCCCCCCCCGGGGGG
CCTTTGGNNAAGGGGNAAAATTTCCAAAATNTTTTCAAAAAGCCCTTTANTTNTGA
AATAAANCCNGTTTCNNAANCCCTTNTTAAAAGGGGGGGG

Sequence 4242

CACCGCGGTGGCGGCCGAGGTACANGATCCCATCCACTTGTCTGAGTCATACCCGATCT
CACNAAGCTCCAAGTGAGGGAGGACAGAAGTAAGGAGATAGCTGACGTGGATACGTAGCC
GCGTAAGCTTTGCCAAAGCCCTTTCTAGGTCATCTCCCTCTGGGGTCCGGTAGGAGACCT
GAGCCTTCTGCAGCATTTCCAGGTGTGTCTCTGTTTCCCTCAGTTTCTCTTTAACTCTT
GCTTTCTCTTTGTTCTTTCCAGCTCAACTTTCAAAA

Sequence 4243

TTGGANCTCCACCGCGGTGGCGGCCNCCCGGCGAGGTACCTCTGTGGAAATCCCTTCCTT
CCAGAAAGCTCCACTCACTTCTGATGCCAAGGAGCTTCTGCGGCGCCCTGCACGCACCTT
TACAGATGCAGGTGGCTGTTTCTGTGTCCCCGCGTACCTN

Sequence 4244

AGGTACGCGGGGACTGGAGTGATGCAGCTACAAACCAAGGAACACCAAGGACCACCAGCA
ATGACTAGAGCTAGGAGAGAGGCATGGAATAGATTCTCCACAGAGCTGCCAGAAGGAAC
CAGCATTGCCAACATCTTATTTAGACTTCTAGCCTCCAGAATTGTGAGAGAAATAATTT
TTGTTGTTTTAGCCTTTCAATTTGTGATAATTTGCTATGGTAGCCCTAGGAAAATAATA
CATCTGGATTCCAGCTTTCCACTCACATCATCGTTTTCTCCATCCTTCCCATGTCTACAT
ATTGTTGTTCCAGATTAAAGATATCTTGATGTCACAGGTGCT

Sequence 4245

GGAAGCTCCACCCGCGGGTTGGGCCGGGCCCGANGGTTACCAAGGGGATGCTTTTGAAAA
GGATGGAAGGGAAAANAAGAAAGNAAGTCCAAGGCCACAAATTTGNAATACCCGCAAG
AATGATGCCCACTTGGTCATTGGGCCAGTTGGAAAAGCCCTCAAATGGTCCATTGTTT
CAAGCAAACCGTCTTCTTTTTTCTTGAAGTTGGAAANTTCTTAAGGGAATAAGTTTTT
CTTTCCCCCTTTGGTGGTTTTTGAACCAANGGGGCCAAGGGTTTTAANGGTTTCTAA
GGGTAANTTGGGGAANGGGGCCAAGGGTGGGGGGCCCTCCGAAGGGNAACCCGNAANN
GGGTTNCTTTTTGGCCAANTTTTCTTGGTNCCCCCATTATTNGGGGTTGGAATGGTAA
AAAAAAATTTTAAACCCCTGGGTTTTTTTCAAAATAANTTTTTCTTTAAAAATGGC
CTTTTTTNCCCTTTTTTGGAAAATAANNCCAAGGGGTAAGTTTTAAGCCNTTTTCAAAA
AAAANGGGTTNAAANTTTTATTTGNAAAATTATTTTAANNNCCCCCNCCCAATGGT

Table 2

ATTTTGGCCTTCCTTTTAATTCCTNGGGGGTTTNNAAANAAAAATTAAACNAAGGGN
TTTNGGAAAAAATTTTNGGGTTTAAAAAATAATNGGGGAAAAAACCCT
TTTTNCCCCNTTTATTTTTTGGGGGGGAAANNCTTGGGGAAAAACCAANGGGGNAA
ANGGGGGGGGGGNANNTTGGGNAAAAANAAAGGGGCCNNTTTTTTTTTTTTTT
TTTTTTTAANNAANNGGGGGCNAANAAACCCCCCNCNCNNTTTNAAAAAA
TANGGGGGGGGAAAAACAAAAATTTTNAANGG

Sequence 4246

CCGCCGGGTGGGGCCGGGGCCCGCCCCCGGGCCAAGGGTTACCNCCGGGGGGGAAA
AAAACAATTGGGGACCGTTTAAATATTNGGCCCAACTCCGCCNCCTTGGGGGAACNAA
TTTCNTTCCCGGGGTTCCTCGAATCCGCCTTTGCCCGGGCCCGCTTCTTAAAAAC
TTAAGTTGGGAATNCCCNNGGGCTTGCAAGGGAATTTCCNAATTATTTAAAGCCTTT
AATCGAATACCCGTCGNAANCCTTTCNAAGGGGGGGGGGGNCCCCGGGTACCCCCA
A

Sequence 4247

GGGCCGGCCCGGGGGTTAAGGGATGGGGGAAAGCCCTTGGGGGGCCAAAGGGGGGAANG
GTTTGCAAAGGAAAGCNCCAATNCTTTCCCTTCCTTNCGGGGCAAGGGTACCCTTTCG
GGCCCGCTTCTTAAAAAACTAAGTGGGAATCCCCCGGGGCCTTGCAAGGGAATTTTC
NAATNTCAAAGCCTTTAATCGAATACCCGTCCAAACCTTTNAAAGGGGGGGGGGGCC
CCNGATTACCCCCAAACCTTTTTTGGTTTC

Sequence 4248

GTCAACTATGTGGTTTTTCATGGTGCCAAAGGCTCACCAAGGAGTCTCANCTGAAGGATG
GTGACAATCTTAACACCTTCCCTCCAAACATAAAGAAGCCTTCAAAGGCTCCTATAG
TTTTCAAATAANATGCCCAAAAGTTTAAAGATGCAAGGGCAAAATTTGACCACTTTGT
NGGAAAATGTCTAAGGCCCANCACTTNGGTGTCACTCTTNTTGGGGCTNNGGGCCTATTN
AACATTGGGAAAGGCAACCAAGGGGCAAGGCNGTTTTTTTTTTTNTCCATTNCCCCC
CNGAAACNCCCGANGCCNNAACCCCCCGCCCCAAAANTTTAAAAAAATTTTTTTT
GGGGGGAANCCAAAAACCTGNATNCCCCTTGTTTGAACTTTAAACACNAAAAACCTTT
GGGCANTTTTTAAAANGGGGGGGGAAANCCCTTTCCCNCGAAATTTACCCNAAAAATT
TGGNCTTTCCTTCAAAAAAATAAANGGGCTTTTANTTTTNTTNCACNAACCC
CTTTTTTTTTTTNAAAAACCCCATNTTTNCCCCCTTTTTTTTTTAAANCCCCCCTT
TTGGGTANCTTTGGGGCCCGGTTTTTAAAAAATAAANGGGGAATNCCCCCGGGG
TTTTNNNGNAAATTTTCATTTTTTAAACCTTTNTTAAAAANCCCGGGGAAAACCTT
TTAAANGGGG

Sequence 4249

NAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGACCAGAGACAAA
ACAGAAGAGGGGAAACATGTTTCTACTGACGACAGGTGATTACAGTGTGCTTCTGATG
GAGGGATCAGGAAAGATAACTGCAAAGAGGTTGTCATTACTGGTTACACCAAGCCCGAG
GCCAGATCTCTTACTTAATGACTTGGGGAAGGC

Sequence 4250

TGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGAGCTGGGGATG
CGGGCACCTGTCTTNCAGGCCCTCTTGCTGTGTGGCCGACAGCTGGTGGTTACGCCTT
AACTCTGACATGAGGAACTGAAAAACAGAGTAGCANCTCAGACTGCCAGAGATCGAAAG
AAGGCTCGAATGANTGAGCTNGAACAGCACGTGGTATGATTTAGAAGAAGAGAACCAAA
ACTTTTGCTAGAAAATCAGCTTTTACGAGAGAAAACATGGCCTTGTTNTGAGAACCA
GGAGTTAAACAGCGCTTGGGGATGGATGCCCTGGTTGCTTAAAAAGAAGCGGACNCCCA
NGGGAATNANTTGAGGNCNCTGGCCCGGTTTTGCTGANTTCCCAACACTNANACNNCNTG
CCCTTNTGAATCNGGTGCCGNCCTTNTGTTACCTTCAAAAAATTNTGCCATTGGATT
TTGCCGTTTTGACTTCTTCAAATTCAGNAGTCTTGATTTTCTNTTGGGGCCATT
TTGGGACAACTTTTGAACCCNANTTNTTTTTTTTCAAAATGGCCCTTTTC

Table 2

Sequence 4251

CCGGGCAGGTACGCGGGGCCATATGATGTGACCTTACTCAACTGATTATCACCCCTCCCTG
TCATACAATACTTCCTGGCTCGATTTCCTGGGGGGTGGTCTCANCCCACTCCACCCCCC
TNANCCGANCCANAGTAAANGGGGCCANGCATCCTNCCCANGGGAGGGGCAGTTNAAACA
ANGANCCTNTTCTGGGCTTG

Sequence 4252

TTGGAGCTCCCCGCGGTGGCGGGCCGCCGGGCAGGTACCCCTGAACTTAAATAAAAGTT
AAAAAATGCAAAGTGCTTAGGAACTCTCTTTAGTGCTTATCTCATTGAAAAGTATTAG
AAGCTCTTTAAGTGACCAGAGAAGGGCTTGTGCTTCTTACTTTAGAGATGAGGAAATTAA
GTAAGTTGTTACAGTCACCTACTTACAGANAAGTGAGCTGGTTCTCATATACATAATA
TTCTAAAGTACTTTAATCGGCCCCCAATAGACATNTTGGCAGGAAAANAAGTTGCGCTCT
NGCCTACTTTTCTTTTTTTCGGCCCCCTGCGAAAAATCTTCCGCGAAAGCGTTAGTTAAG
CCAAATGGGCCCCCGTTCCCTTGGGCCGCTNTTAACTAATNGGATTCCCCCGGCTTGGN
GGAAATTNNATATTCAAGCCTTTTTGATACCCGCCAACCTCCAANGGGGGG

Sequence 4253

GGAGCTCCCCGCGGTGGCGGGCCGCCGGGCAGGTACAAGTGCTCTTTTTCAGAGTTGGAC
TTCTAGACTCACCTGTTCTCACTCCCTGTTTTAATTCAACCCAGCCATGCAATGCCAAAT
AATAGAATTGCTCCCTACCAGCTGAACAGGGAGGAGTCTGTGCAGTTTCTGACACTTGT
GTTGAACATGGCTAAATACAATGGGTATCGCTGAGACTAAGTTGTAGAAATTAACAAATG
TGCTGCTTGGGTAAAATGGCTACACTCATCTGACTCATTCTTTATTCTATTTTANTTNGG
GTTTGTATCTTTGCCTAAAGNGCCGTANTNCCAACCTCTTGGGATTACCCCTTCCTAAAT
AGTCATACTAAGTAGTCCATACTNCCCTGGGTGGTAAGGNGTATTCTTCTTAAAAACCTT
TAAATGGTCTTTGCANTGCAAGCCNAGNCCATTCAAAANAANTGGAATGGGNCNTNTNT
TTTTGGGCTTGGGAAATTTCAAAAAAATCAAAANAAAAATTTGTGTTCTNTTANANGNN
AAAAACCTTCTTAAACCCCNNTTGAANGGGAAAAAAAAGCCCCCAAAATGGGGNGG
GNNAACCTNGGAAAAANNAACCNCTTAANGGCCTTTTAAAAAATTTGGGGCAACANNNT
TTTTACCTTTTANGGGGAAGCCCNCTTTGNACCCNGGGGGGGGCCTAAAAGGGTCCANA
CNCCNANNTNGAAANTTTTTTAGGGGAAAAAAAANANAATCCCNTTTTTAAAAAAAT
TTNAANNCCCNTTTTTTNAAAAAAAANCCGNGGGGGGAATTCCCNNTNCTTTN
TNTTNNNCAANTNNANAAAAANCCCCCTTTTTTTTTTTTTTTN

Sequence 4254

GCAATGGACTCCCGGGTGCGGCGAGTCGCGGGGCCTTTCTTACGGACGCGGGGAAGATG
CAGTCAAATCCAAGAAGAGGAAGTTTGCCTGATGNATCTTCAAAGCTGAACTGAATGA
GTTTCTTCTCGGGAGCTGCTGAAGATGGCTCTCTGGAGTTGAGGTGAGTTCACCAACCA
GGACCAGAAATCATTATCTTAGCCACCCAGACACAGAATGTTCTTGGTGAGAAGGNCGG
CGGATTCGGGAAGTACCTGCTGTAGTTGAGAAGAGTTTGGCTTTCCAGAGGCAGTGATG
AGCTTTATGCTGAAAAGGTGNCCACTAGAGGTCTGTGTGCCCATTGCCAGGCAGAGTCT
CTGCGTTACCAAACCTCC

Sequence 4255

CGACCTCCTATAGGGCGAATTGGAAGTCCNCGCGGTGGCGGCCGAGTCATTTTTAAAGAAA
ATCCTTTCTGAATAAGACCTAATGTCTATACCTGAAGAGAGGAGACCAGCATGTCATCCT
CCTTTTTTTGGCCTCTCTCAAAGTTACCTGCCCAAAGTCCCATGAGAACAGAACCTCCA
GTTTGCAGCCCTGTGGTGCGCAGGTCTCTCCCGCCACTGATTCATACCTATGTGTGAGTC
AGGAAATCTGGCTGATGACTTGTACAAACAGCAGATGAGGAAAACGTCAAAGGAACGT
AATTTGGGGGTGGTGGTGGGGGGGAACAAATGTACCTGCCCC

Sequence 4256

CTCCNCGCGGTGGCGGCCGNGTACCAGGCCCANNNACTTTATGATGATGGATGATGCTGT
CCTCTGCATGTGTTTCAGCAGAGATACAGAAATGTTAGCAACTGGGGCCCAAGATGGAAA
AATCAAGGTGTGGAAGATTGAGAGTGGACAATGTTTAAGGAGATTTGAGAGGGCACACAG

Table 2

TAAGGGTGTACCTGTCTAAGCTTTTCTAAGGATAGCAGTCAGATCCTTAGTGCTTCTTT
TGACCAGACAATTAGAATTCATGGTTTAAAATCTGGGAAAACCCTGAAGGAATTCGTGG
CCATTCCTCCTTTGTTAACGAAGCAACATTTACACAAGATGGACATTACATTATTAGTGC
ATCCTCTGATGGCACTGTAAAGGTTAAGTATTTGCTATCAGTTTATTTTGGGATGTCTAC
CCCATCTTTGTCTTTGAGGAGTTTTCAGTGGTGATAATG

Sequence 4257

TGGAATCACGCGGTGGCGGCGAGTCCGGGGCTGTAGTGNTTGTCTTGGTTTTTCTCTTCT
TCNCTANGCCTCCGGCTCTCGTAGCCTCCGCGGCGCTCTAGACTAGTGGATCCCCCGGCT
GAGGAATTCGATATAAGCTTATCGATCCGTCGNCCTCGAGGGGGGGCCGGT

Sequence 4258

TGGNGAATTGGAATCNCGGGTGGGGCGCCGGCAGGTCATTTTTGAATGNCTAAAAATCTC
ATTCTGCTGCTGTCAAGTTGNTTTNACCTGCTGAGNGGCACTGAAACAGAAGACTCGGGG
TGACACCCGCTGATCTTAACAAGGATTCTGNAGGAACTACAAAAAGGAGAACTGAAAT
TTAGACATACAGTTGGCATTGTAAAAANCATCAGTTNCTCTCATACCTTNCAGTAAACC
AAGTAAATAAGTGTGGAGTACACTTNCCTTAAAGAAATTAAGGAGTGATAGCTCTTT
CTGTTCTGCATTCCCAACATTCTT

Sequence 4259

ACTCACTATAGGGCGAATTGGNCCTCCNCGCGGTGGCGGCCGAGTCCACAGCACCCCAGG
CAANCCCCCAACTCATGATTTATGAGGTCAAGTAAATCGGCCCTCAGGGGTTTCTAATCGCT
TCTCTGGCCTCCAAGTCTGGCCAACACGGCCTCCCTGNCATCTCTGGACTCCAGGCTGAG
GNCCGAGGCTGATTATTACTGCAGCTCATATACAATCANCAGCAGTCCTTGGGTGTTCCG
CGGAGGGACCAAGCTGACCGTCTTAGGTACAGCCCAAGGCTGCCCCCTCGGTCACTCTGTT

Sequence 4260

TCNCGCGGTGGCGGCGAGTCTTTGCCCTGTAGAATTNCTGAGTTTNTTCTGAGTCTGG
TNATACTGTGAGACACGCAATGGATTNCGGCGNCTCGGATCTTAGAGAGCTTGGAGGCC
GCNCCGCTGNACTTTGGCNACGCNANCTGGGNCAGCTCCACCTTCAGGTGCNANCTGT
TTCANANTCCTCCTTCTTCTCCNCGAAGACTCGACCTTGACTTGGCATTGCTGACAANC
CGCANGCCGCCCCCGCTCCTGCCGGCGGCGTCTAGACTAGTGGATCCCCCGGCTGAGGA
ATTCGATTCAAGCTTATCGATCCGCGNCTCGAGGGGGNCCGGACCCACTTTTGTNCTT
TTAGTGAGGGTAATTGCCNCTTGCCGTAATCATGGCATANCTGTTTCTGTGTAATTGTA
TCCGTACAAATTCACACACATNCANCCGGACATAAAGTGTAAAGCTGGGTGCTAAGAGG
AGCTACTCACATTATTGCNTNGCTACTGCCGTTTCAGCGG

Sequence 4261

CNNATTGGAGCTCNCGCGGTGNCGGCCGNGTCTATAATACTGCTGCAGTAATAANCTGCC

Sequence 4262

CTATAGGGCGAAATTGGAGCTCCNCGCGGTGGCGGCCGAGTCCAGNTTCTTCAAAAGTC
AGATTGAGTAAGGGATAGAAAATTAAGTTCATCTTAAGGAACAGCCAAGCGCTAGCCAGT
TAAGTGAGGCATCTCAATTGCAAGATTTTCTCTGCATCGGTCAAGTTAGTGATATTAACA
GCGAAAAGAGATTTTTGTTAAGGGGAAAGTAATTAAGTTAACTGTGGATCACCTTCGN
CCAAGGGACACGACTGGAGATTAAACGAAGTGTGGCTGCACCATCTGTCTTCATCTTCCC
GCCCATCTGATGAGCAGTTGAAATCTGGAAGTGCCTCTGTTGTGTGCCTGCTGAATAACT
TCTATCCCAGAGAGGCCAAAGTACCTGCCCC

Sequence 4263

TGACTCNCGGGTGGCGGCGAGTCGCGGGGAGAAGAGAGGCAGCAGCCANAGTCNAGTACC
CTGNCAGACATCCTGGACTAAGCTCTCTCAAAGAGGTGGCAGAGAAGNCAGCAGAGNCAT
GGGACCCCCCTCAGCCCCCTCCCTGCAGATTGCATGTCCCCTGGAAGGAGGTCTGTCTCNC
AGCCTCACTTCTANCTTCTGGACCCACCCACACTGCCAAGCTCACTATTGAATCCNCGC
CGTTCAATGTGCGAGAGGGGAAGGAGGTTCTTCTNCTCGCCNANCTGCCCCAGAATCG

Table 2

TATTGGTTACAGCTGGTACCTGCCCCG

Sequence 4264

ATGGACTCCCGGGTGC GGCGAGTCTTCGCTTCTTTGACCTCATAGGGTTTGTGAAGATGN
GGTTATGCTGACAAGAGGTGGTGAGGTTGACGGGGTTATCGATNCAGACAGCTCCTCTAG
AGGGATATGAAGCACCGCAGGNCTTTGAGTTTAAGCTGTGNCTCGTAGTGTCTGCNAGCA
GTTTTGTTGATTTAACTGTTGAGGTTTAGGGCTAAGCCATAGTGGGGTATCTAATCCCAG
TTTGGGCTTACTATTGTGTGTGCAGNCCCGCTCCCTNCCCGGGCCGGCCGGNTCTAAA
CTAGTGGATCCCCCGGCTNCANGATTTCGATATCAACCTTATCGATCCGCCACCTCGAGGG
GGCCCGGTCCCAGCTTTTGTCCCTT

Sequence 4265

GGCCGCCCCGGCAGGTACNCGNGTGGGGAGCCTAGCTGTGCTGTGGGTCCAGGAGGCAN
GAACTCTGGGTGCCCTACCATGGCCTGGATCCCTCTACTTNTNCCCTCCTCACTCTCTG
CACAGGCTCTGAGGCCGCTATGAGCTGACACATGCCTCCCTCGGTGTATGTGTCCCCA
GGACGGACGGCCAGGATCTCCTGTTCTGGAGATGCACTGCCAAAGCAATATGCTTTTTGG
TGCCAGCAGAANCCAGGCCAGGCCCTGTGTTGGTGATATATAAAGACAGTGAGAGGCCT
TNAGGGATCCCTGAGCTGATTCTNTGGCTTCAGCTCGGGGACAACAAANCACGTTGACCA
TCANNTGGANNTCAGGCAGAAGACGAGGCT

Sequence 4266

TCCCNCCCCCGCGGNGGTTNNCGNCCGGGCGTGTCCATANTTTTTACGGACTAAATTGT
ATTCCCTNACATATGCTGAGGTCCTAACCCTCAATATGATTATATTTGGAGATAGGGCC
TTGAGGAAGGTATTAAGATCNAATGAGGTTATAAGGAAGGGCCCTATCGGGTAGGAATG
GTATCTGTCTTATAAGATGAGAGAGCTNGCTCTCTCTGTATGCATACAGAAGAAAGG
CCATGTGAGGATACAGCAAGAAGATGGCCATCTATAAGCCAGGAAGAGGCCTNACCAGAA
ACCAAACCTGATGGNATCTTGATCTTGGACTACTAGCCT

Sequence 4267

ACAGAAAGAAGTCTCATCTTCCTTTGACCACGTTATCAAGGAGACAACCTCGAGAGATGAT
CGCTCGTTCTGCTGCTACCCTCATCACATCCCTTCCATGTGATCACTCTGAGATCTAT
GGTACCTGCAGGCCCTCTACACCTACCTCTCTCTGGACTTCTATTTGACCGCGATGATG
TGGCTCTGGAAGGCGTGAGCCACTTCTTCGCGAATTGGCCGAGGAGAAGCGCGAGGGCT
ACGAGCGTCTCCTGAAGATGCAAAACCAG

Sequence 4268

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTA CTCTGTCAACCATGTGGAGGCTGTTGATCT
CAATGAAACGGCTCAATTTGGTGGCATCAATGCTTTCAATGTCTTCGTCTCTAAATTCA
GTTGTTCAATTGTCTACCAGGCCGAAAGAGGCAGATGGTGTTCACAGTGATGTTGTAGTGTG
TCAGAACCTCAGAATCAGTGCTGATCCCAATGACACGCCTGGGAATTTTGCACCATGC
TATGGAGTATGGGCACTGCTGGTATTTCTAAATCCTGGAAGAAGCCTATGACAGCCACCT
CAGTGGCAGCAATGAATTCCATGGCAGCTGGGACATCTGTGAGCCACGTGGGTTCTGGG
CAGCACCAGGACCATCTGAGGATTTCTCAACTTCTGCAGCAACTTCTGCAGCCAGCTCAC
ACGTGAGGAGAAATAAGAGGAACATGAACCTGGACGGGGC

Sequence 4269

TGGAGCTCCANCGCGGTGGCGGNCGNCCGGGCAGGTACCANCAATCAGGGAACTCCTATC
TGTTTTGAATGGATTACACCAGCCACAAGCCTGGAAAGATGGTGTCAATCTACAGTC
AGGCAGGATTCTCCTGTGGAGCCCTGGGAAGGGATCAGCGATCACTCTGGCATTATTGAT
GGTTCGCCCCANACTCCTGAACACTGACCATCCTCCTTGCCAATTAGACATCAGGCTCATG
AGGCACAAAGCTGTCTGGATTAACCCCCAGGATGTGCAGCAACAGCCGAGGACTTGCAA
TCTCAGGTGCCAGCAGCAGGGAACAGTGGGACCCATTTTGTGACAGATGCTGCCTCTCCC
TCAGCCCTTACCTTCGTGCCTNNGGGACTCCCTGGCAGAGACAACGTTGTCTGAGG

Sequence 4270

CCGGGCAGGTACCCTTGAAGATGGGAAAGGTGAGGGAAATANNNGGAAGCANGGTCAGA